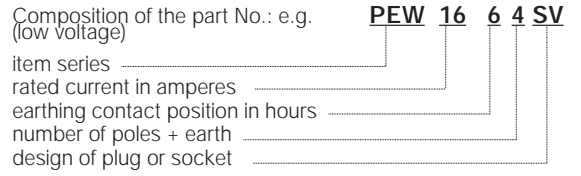




**pliso**

Plugs and socket-outlets  
for industrial purposes  
conforming  
to EN 60309-1 e -2



The 16A and 32A three pole plugs and socket-outlets (2P+⊕, 3P+⊕, 3P+N+⊕) have been upgraded both in the PE/PEW low voltage version and in the SIP/SIPW version with phase inverter.

**Main Innovations:**

- **New "locknut" cable gland** and **new sturdy "grip" cable clamp** which can be manually tightened without tools or fixing screws.  
**The cable clamp automatically accommodates all allowed cable sizes** without cutting cable glands or grommets.  
**Greatly reducing the assembly time.**

- **Only 2 pre-fitted quick assembly captive screws are required to fix the plug or socket inserts.**

**- New unified plug and socket unit design.**

The plug/socket unit colour for all "standard" models is RAL 7035 light grey and RAL 9005 black for "Heavy Duty" models.  
The voltage colour coding, optional for EN 60309-1 and EN 60309-2 standards, but useful to the users, is now included in the new cable gland, in the IP66/IP67 versions locknut or in the socket covers.

- **The new HD (Heavy Duty) versions** are available only in the IP66/IP67 type, able to withstand extreme weather conditions. More specifically, the materials have been changed to be more resistant to low temperatures. The contacts of HD models are nickel plated.

- **Certified** to recently approved variant 1 of the **European standards EN 60309-1 and EN 60309-2**, which gives industrial sockets and plugs the "versatile" **IP66/IP67** degree of protection conforming to EN 60529 standard.

16A and 32A Pliso sockets and plugs are identified with the same standard model type and catalogue. The special "Heavy Duty" models are identified with the PHW and SHPW prefix.





**pluso**  
Plugs and sockets  
for the entertainment  
industry

These products are the ideal choice for the entertainment industry (to supply lighting equipment and mixer/dimmer assemblies) and are typically used on theatre stages, cinema sets, radio and television broadcasting studios, discos, fair stands, concert halls, public night events, both indoors and outdoors, and similar scenarios.

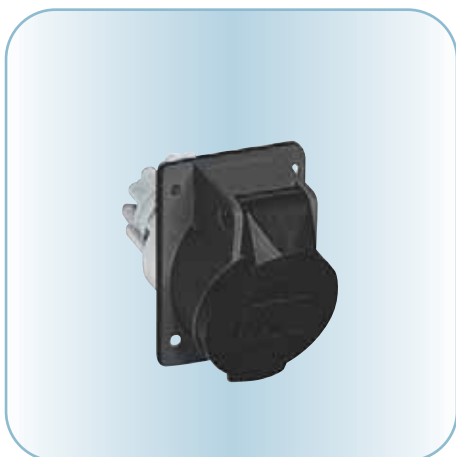
All models share the extraordinary features of the equivalent versions with grey finish.

The elegant black finish of all visible plastic parts and the labels in non reflecting grey, which are used when the markings are not printed, add a touch of discretion and make these products particularly suitable for scenarios and areas where plugs, sockets and harness should be invisible in absence of light.

The range includes several models:

couplers, flush-mounting, with IP44 protection class or IP67 on request (plugs and sockets couplers an IP66/IP67 protection class).

**NOTE** - Products are available with different voltage and/or frequency and current ratings on request.



PE...SV - PEW...SV  
coupler plugs, low voltage  
from over 50V up to 690V

page 9

16A, 32A (IP44)  
16A, 32A (IP66/IP67)  
63A, 125A (IP67)



NEW

PE...PV - PEW...PV  
coupler socket-outlets,  
low voltage from over  
50V up to 690V

pages 10 - 11

16A, 32A (IP44)  
16A, 32A (IP66/IP67)  
63A, 125A (IP67)



NEW

PHW...SV coupler plugs  
PHW...PV coupler socket-outlets

page 13

HEAVY DUTY

16A, 32A, 63A, 125A  
(IP66/IP67)



NEW

PE...SA - PEW...SA  
angled coupler plugs, low  
voltage from over 50V up to  
690V

page 17

16A, 32A (IP44)  
16A, 32A (IP67)



PE...SM - PEW...SM  
wall-mounting plugs,  
low voltage from  
over 50V up to 690V

page 17

16A, 32A (IP44)  
16A, 32A, 63A, 125A (IP67)



PE...PP - PEW...PP  
wall-mounting socket-outlets,  
low voltage from  
over 50V up to 690V

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16A, 32A (IP44)  
16A, 32A, 63A, 125A (IP67)



PE...SI - PEW...SI  
flush-mounting plugs,  
low voltage from over  
50V up to 690V

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16A, 32A (IP44)  
16A, 32A, 63A, 125A (IP67)



PE...PI - PEW...PI  
flush-mounting inclined  
socket-outlets, low voltage  
from over 50V up to 690V

page 15

16A, 32A (IP44)  
16A, 32A, 63A, 125A (IP67)



PE...PQ - PEW...PQ  
flush-mounting straight  
socket-outlets, low voltage  
from over 50V up to 690V

page 16

16A, 32A (IP44)  
16A, 32A, 63A, 125A (IP67)



SIP...SM - SIPW...SM  
wall-mounting plugs  
with phase inverters  
low voltage

page 22

16A, 32A (IP44)  
16A, 32A (IP67)



SIP...SI - SIPW...SI  
flush-mounting plugs  
with phase inverters  
low voltage

page 22

16A, 32A (IP44)  
16A, 32A (IP67)



SIP...SV - SIPW...SV  
coupler with phase inverters,  
low voltage

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16A, 32A (IP44)  
16A, 32A (IP66/IP67)



NEW

PN...SV  
coupler plugs,  
low voltage

page 12

16A (IP44)



NEW

PN...PV  
coupler socket-outlets,  
low voltage

page 12

16A (IP44)



NEW

PN...PI flush-mounting inclined  
socket-outlets  
PN...PQ flush-mounting straight  
socket-outlets

page 12

16A (IP44)



NEW

PB...PP  
wall-mounting sockets  
extra-low voltage  
up to 50V

page 20

16A, 32A (IP44)



PB...PI  
flush-mounting sockets  
extra-low voltage  
up to 50V

page 21

16A, 32A (IP44)



PB...PV  
couplers  
extra-low voltage  
up to 50V

page 20

16A, 32A (IP44)



PB...SM  
wall-mounting plugs  
extra-low voltage  
up to 50V

page 21

16A, 32A (IP44)



PB...SV  
plugs  
extra-low voltage  
up to 50V

page 20

16A, 32A (IP44)



PEW...CS  
loose protective cover  
accessory for plugs  
IP66/IP67 (optional)


page 17

16A, 32A, 63A, 125A



TM...IT/IS/KIS pages 26 - 27


interlocked switched socket-outlets with screw-type fuse carriers



16A, 32A, 63A (IP66/IP67)

TM...IR/KIR page 28


interlocked switched socket-outlets with room for modular equipments



IR - 16A, 32A, 63A (IP66/IP67)  
KIR - 32A (IP66/IP67)

TM...SP/KSP page 29


interlocked switched socket-outlets without fuse carriers



SP - 16A, 32A, 63A (IP66/IP67)  
KSP - 32A (IP66/IP67)

TM...SIT/SIS/KSIS pages 33 - 34


interlocked switched socket-outlets without back box



16A/32A (IP66/IP67)

TM...SIR/KSIR page 35


interlocked switched socket-outlets with room for modular equipments without back box



SIR - 16A (IP66/IP67)  
KSIR - 32A (IP66/IP67)

TM...SSP/KSSP page 36

interlocked switched socket-outlets without back box



SSP - 16A (IP66/IP67)  
KSSP - 32A (IP66/IP67)

TM 16220 T1/ST1  
TM 16380 T1/ST1 pages 26 - 33

socket-outlets with safety transformer




16A (IP66/IP67)

**NEW**

TM 1145/1456 TB  
TM TXT page 30

TM 2345 DT  
TM 2656 DT  
TM 2956 DT


modular back plates fixing plug to fit up in the plates



TM 1114 DB/GB  
TM 1414 DB/GB pages 31 - 32

TM 2314 DB/GB  
TM 2614 DB/GB  
TM 2914 DB/GB

enclosures for modular equipments



IP66/IP67

TM 1125 CS  
TM 2344 T2  
TM 3444 T3 page 37

single box  
double box  
triple box



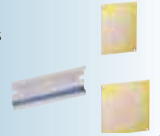
TM 1125 P  
TM 2318 P2  
TM 3418 P3  
TM 2318 R2  
TM 3418 R3 page 37

cover boxes and covers to close compartments



TM 1125 PF, TM 1114 PF  
TM 1414 PF, TM 2314 PF,  
TM 2614 PF, TM 2914 PF pages 32 - 37


mounting and fixing plates



TM GD8/10/18/21/24  
BC FR 62 / BC CHT  
safety block with key plates for empty spaces

SQE - SQE.5 - SQV - SQV.5 pages 40 - 41


interlocked switched socket-outlets flush-mounting



16A, 32A (IP44)  
16A, 32A (IP55)

SQ page 39

interlocked switched socket-outlets without fuse carrier flush-mounting



16A (IP44)

SQT page 39

socket-outlets with safety transformer



16A (IP55)

SQC 923 CS / SQC 1114 CS page 39


single box

SQC 923 ME gasket for flush mounting



FM 1043 CL/PQ/SQV/DSQV page 43


distribution box systems



dimensions  
100 x 430 x 95

FM 3236 CL/PI/PIN/SQ  
FM 2451 CL/PI/PIN  
FM 2451 SQ/SQV/DSQV page 43


distribution box systems



dimensions  
320 x 360 x 135  
240 x 510 x 135

FM 3251 CL/PI  
FM 3251 SQ/SQV/DSQV  
FM 4272 CL/PI/SQ/SQV page 43

distribution box systems



dimensions  
320 x 510 x 135  
420 x 720 x 135

FM 3221 supplementary box systems dimensions 320 x 210 x 135 pages 43 - 44

FM 3236/2451/3251 Cl frame for flush-mounting



FM 68 ...  
FM 88 ...  
FM 811 ...  
FM 910 ...  
FM 1114 ...  
FM 923 ... pages 45 - 46


cover boxes



**NEW**


FM 32 MT  
BC SFT  
FM GD 18/25/35  
FM 2510 MI  
FM 1043 CO  
FM 416  
FM 18 ET page 44

complementary parts and accessories



PEW 216 PQF page 50


socket Schuko® extra-low voltage up to 50V



10A, 16A (IP67)

PE...PQ/PI - PEW...PQ/PI pages 51

flush-mounting straight socket-outlets, low voltage from over 50V up to 690V



16A, 32A (IP44)  
16A, 32A (IP67)

**PB ... A1/A2 - PB ... T1/ T2** page 54

socket-outlets with safety transformer

16A (IP44)


**PK ... EB** page 54

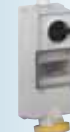
switched socket-outlets without fuse carriers insulating enclosure

16A, 32A, 63A (IP44)


**KI ... RI5** page 55

interlocked switched socket-outlets with room for modular equipments

16A, 32A, 63A (IP55)


**KI ... IB5** page 56

switched socket-outlets with fuse carriers insulating enclosure

16A, 32A, 63A (IP55)


**PK ... PB5** page 57

interlocked switched socket-outlets with screw-type fuse carrier aluminium enclosure

16A, 32A, 63A, 125A (IP55)


**PK ... IA - PK ... LL** page 58

switched socket-outlets with automatic circuit-breaker and electrical interlock insulating enclosure

63A, 125A (IP55)


**FC 1141 TB** page 59  
**FC 1453 TB**  
**FC TXT**

modular back plates fixing plug to fit up in the plates


**FC 2241 DT** page 59  
**FC 2545 DT**  
**FC 2853 DT**

assembled modular bases


**FC ... GB5** page 60

enclosures for modular equipments

IP55


**FC ... DB - FC ... DB5** page 61

distribution enclosures

IP44/IP55


**FC 2542 RA** page 62  
**FC 2542 RTA**  
**FC 2542 QV**  
**FC 2542 QVT**  
**FC 2542 BM**  
**FC 2542 BMT**

box systems for socket-outlet combinations IP55


**FC 2525 MU** page 63  
**FC 2525 QV**  
**FC 2542 BM**  
**FC 2525 RA**  
**FC 2525 RAT**

box systems for socket-outlet combinations IP55


**FC 2525 RP** page 64  
**FC 2525 RP3**  
**FC 2525 RP2**
**FC 2525 PP**  
**FC 2525 PP3**  
**FC 2525 PP2**  
 box systems for socket-outlet combinations IP55

**FC 2525 MS** page 65  
**FC 2542 MS**  
**FC 2525 CR**  
**FC 2525 TS**  
**FC 2525 TS2**  
**FC 2525 TS3**

box systems for socket-outlet combinations IP55


**FC 1114 RD** page 65  
**FC 1225 SR**  
**FC 1225 SRT**  
**FC 1225 SP**  
**FC 1225 SA**

box systems for socket-outlet combinations IP55


**BE ... / BK ...** pages 67 - 68

switched socket-outlets with fuse carriers without fuse carriers

 16A, 32A  
 IP66/IP67

**BT 16220** page 68

socket-outlets with safety transformer

IP66/IP67


**BP ...** page 69

cover with 63 A socket-outlet

IP66/67


**BPR ...** page 69

cover with transparent window for modular control equipment and 63 A socket-outlet

IP66/67


**BC 1123 CS** page 70  
**BC 1123 ME**  
**BC 1123 P**

single box and accessories


**BC 4034 T3** page 70

triple box and accessories


**BC 1734 R3** page 70  
**BC 1734 R3T**  
**BC 1123 PF**  
**BC CHT**  
**BC 1734 P3**

complementary parts and accessories of the BK system


**BC 1123 Q** page 71  
**BC 1123 Q2**  
**BC 1123 R**  
**BC 1123 RQ**

complementary parts and accessories of the BK system


**BC 45 ST** page 71  
**BC GD8**  
**BC BLC**

complementary parts and accessories of the BK system



portable distribution panels for building sites with socket-outlet:

page 73



PEW ... PQ/PQF series

NEW

portable distribution panels for building sites with socket-outlet:

page 74



SQE series

NEW

boxes with socket-outlet:

page 76



TM and SQV series  
IP55

boxes with socket-outlet:

page 77



TM and SQV series  
IP55

portable distribution panels for building sites

page 78



QM V P4/P6 series  
IP55

NEW

portable distribution panels for building sites

page 78



QM V S2 series  
IP55

NEW

boards for construction site

page 78



QP V  
IP55

boards for construction site

page 78



QG V  
IP55

QCP TS  
QC TS  
PEW .... SM-S  
PEW .... SM

PEW .. CS  
QC .... R  
QC .... P  
QC PE

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accessories





## CE marking

<b>General information</b>	<p>As of January 1st 1997 manufacturers who sell commercial electrical products in the European Union must affix the <b>CE</b> marking pursuant to Low Voltage Directive 72/23/EEC (implemented in Italy with Law no. 791 of 18-10-1977) and its amendment, Directive 93/68/EEC (implemented in Italy with Legislative Decree no. 626/96 of 25-11-1996 published in the supplement of the Official Gazette of 14-12-1996). The marking must be placed on the product or, when this is not possible, on the packaging or included in the warnings or the warranty certificate. With such a marking the manufacturer, in the spirit of the "new approach", declares that the product complies with all the directives of the European Union for all intended applications.</p>
<b>ILME products</b>	<p>The <b>CE</b> marking is placed on the product or on the packaging of all ILME products.</p> <p>All ILME products do in fact fall within the field of application of the Low Voltage Directive, except for the industrial plugs and sockets for very low safety voltage (Pluso PB series) and "Schuko" sockets for flush-mounting PEW 216 PQF (household type without European harmonisation). SELV sockets with safety transformer (BT 16220, SQT 16220, PB 16220 A1/A2/T1/T2, TM 16220 T1/ST1 and TM 16380 T1/T2) and built-in transformer also fall within the field of application of the Electromagnetic Compatibility Directive 2004/108/EEC (implemented in Italy with Legislative Decree no. 194 of 6-11-2007 modified by the above-mentioned Directive 93/68/EEC) and must therefore comply with the related provisions but do not require specific tests.</p>
<b>Declaration</b>	<p>A declaration of conformity must be prepared for all products with <b>CE</b> marking. This document, which is not required for marketing purposes, must be made available to control bodies (in Italy the Ministry of Industry, Trade and Artisanry). The manufacturer must provide in this document information on the technical safety standard followed in manufacturing the product.</p> <p>These standards must be, in decreasing order of preference:</p> <ul style="list-style-type: none"><li>- A European standard (prefix EN)</li><li>- A European harmonisation document (prefix HD)</li><li>- An IEC international standard</li><li>- A national standard</li><li>- An internal specification of the manufacturer guaranteeing compliance with the basic safety requirements of the directive, if no applicable standard exists</li></ul>
<b>Conformity</b>	<p>Conformity to harmonised technical standards (or ratified by CENELEC) confirms that the products comply with the essential safety requirements of the directives.</p> <p>The <b>CE</b> marking on ILME products confirms that they comply with harmonised standards or with IEC international regulations.</p> <p>Multi-pole connectors comply with the EN 61984 technical safety standard.</p> <p>With the <b>CE</b> marking, ILME declares that the product is integrally compliant (beyond the essential safety requirements of the directive) with the European, international or national regulations used as basis for voluntary safety certification marks (e.g.: IMQ and VDE).</p> <p>By doing so, ILME intends strengthening the <b>CE</b> marking with a self-certification safety value to account for the loss in legal value of voluntary certifications issued by third parties, sanctioned by the Directive 93/68/EEC.</p> <p>Therefore, almost all ILME products continue to display voluntary conformity marks.</p>
<b>Compliance and standards</b>	

<b>General information</b>	<p><b>Directive RoHS 2002/95/EC and its amendment, Directive 2008/35/EC</b> prohibits the use of specific dangerous substances for the manufacture of new electric and electronic equipment sold after July 1st 2006 (the exceptions for some applications are listed in the Annex of the Directive and in several resolutions of the EU Commission<sup>1)</sup>). The prohibited and/or restricted substances are: <b>lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls and polybrominated diphenyl ether</b> (respectively called PBB and PBDE, flame retardant substances for thermoplastic materials).</p> <p><b>Directive RAEE 2002/96/EC</b> (and its amendments, Directives <b>2003/108/EC</b> and <b>2008/34/EC</b>) provides regulations concerning differentiated waste collection and the limitation of waste originating from electric and electronic equipment. The directive also encourages recycling, repurposing and other forms of recovery of technological waste and fixes ambitious recovery rate targets for different categories of products. Manufacturers and their EU representatives are responsible for collecting, processing and recovering all the equipment listed in Annex I A and described in Annex I B of the above-mentioned directive, sold after August 13th 2005 (the deadline varies according to countries). In Italy the deadline has been delayed to 31/12/2007 because of need of approval of the ministerial decrees.</p> <p>In its position of manufacturer of electrical equipment and components for industrial use, I.L.M.E. complies with the provisions of the above-mentioned directives. These directives have now been converted into law in almost all EU countries. We therefore have preventively taken all the necessary corrective actions to ensure the full compliance of all products with the "<b>RoHS directive</b>", where applicable. <b>I.L.M.E. products sold starting from July 1st 2006 do not contain restricted substances in concentrations above those stated in the RoHS Directive and subsequent resolutions of the EU Commission.</b></p> <p>1) At the date of publication of this catalog, the following European Commission Resolutions had been approved: 2005/618/EC of 18.08.2005, 2005/717/EC of 13.10. 2005, 2005/747/EC of 21.10.2005, 2006/310/EC, of 21.04.2006, 2006/690/EC, 2006/691/EC, 2006/692/EC of 12.10.2006, 2008/385/EC of 24.01.2008, 2009/428/EC of 04.06.2009, 2009/443/EC of 10.06.2009.</p>
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Table of Standards  
Plugs and socket-outlets for industrial purposes  
according to European standards EN 60309-1 and -2  
16A, 32A, 63A, 125A - 2, 3, 4, 5 poles  
low and extra low voltage

### low voltage over 50V up to 690V

Number of poles	Frequency Hz	Rated operating voltage V	Hour position (h) earthing contact (1)		Colour
			16A and 32A	63A and 125A	
2P+⊕	50 and 60	100 ÷ 130	4	4	yellow
		200 ÷ 250	6	6	blue
		380 ÷ 415	9	9	red
	50 and 60	480 ÷ 500	7	7	black
		supply from isol. transformer	12	12	acc.voltage
	100 ÷ 300	> 50	–	–	green (4)
	> 300 ÷ 500	> 50	2	–	green (4)
direct current	> 50 ÷ 250	3	3	acc.voltage	
	> 250	8	8	acc.voltage	
3P+⊕	50 and 60	100 ÷ 130	4	4	yellow
		200 ÷ 250	9	9	blue
		380 ÷ 415	6	6	red
	60	440 ÷ 460 (2)	11	11	red
	50 and 60	480 ÷ 500	7	7	black
		600 ÷ 690	5	5	black
	50	380	3	–	red
	60	440 (3)	–	–	–
	100 ÷ 300	> 50	10	–	green (4)
	> 300 ÷ 500	> 50	2	–	green (4)
3P+N+⊕	50 and 60	57/100 ÷ 75/130	4	4	yellow
		120/208 ÷ 144/250	9	9	blue
		200/346 ÷ 240/415	6	6	red
	60	277/480 ÷ 288/500	7	7	black
		347/600 ÷ 400/690	5	5	black
	50	250/440 ÷ 265/460 (2)	11	11	red
	50	220/380	–	–	–
	60	250/440 (3)	3	–	red
	100 ÷ 300	> 50	–	–	green (4)
	> 300 ÷ 500	> 50	2	–	green (4)
all types	all rated operating voltage values and/or frequencies not covered by the other configurations		1	1	acc.voltage

- 1) the positions indicated with dashes are not standardised
- 2) mainly for ship installation
- 3) exclusively for cooled containers (ISO standardisation)
- 4) for frequencies over 60 Hz up to 500 Hz inclusive, green can be used, if necessary, together with the colour of the operating voltage colour according to voltage

Numbers indicated with letter h specify the orientation of the earthing contact or auxiliary reference, according to the hour position which can be seen when the socket is viewed from the front by placing the reference point in correspondance to hour 6. The indicated colours are foreseen by the specification according to the operating voltage; the colouring may be limited to a part of the device. The degrees of protection are obtained:  
- for the sockets: with the plug fitted or when the lid is closed  
- for the plugs: when inserted into the sockets.  
63A - 125A plugs and sockets are equipped with a pilot contact to drive an electric interlock.

### extra low voltage up to 50V

Number of poles	Rated operating voltage V	Frequency Hz	Hour position (h) minor key position (5)		Colour
			16A and 32A		
2P - 3P	20 ÷ 25	50 and 60	no key way		violet
		40 ÷ 50	12		white
	20 ÷ 25 and 40 ÷ 50	> 100 ÷ 200	4		green (6)
		300	2		green (6)
	400	> 400 ÷ 500	3		green (6)
		direct current	11		green (6)
2P	20 ÷ 25 and 40 ÷ 50	10		white	

- 5) the positions h 1-8 and 9 are reserved for future standardisation; for construction reasons, position h 5-6 and 7 cannot be used
- 6) for frequencies over 60 Hz up to 500 Hz inclusive, green can be used, if necessary, together with the colour of the operating voltage.

### Other executions not listed here but foreseen by the norm can be supplied on request.

For these, the codes are formulated as follows:

- prefix: PE-PEW (low voltage) - PB (extra low voltage)
- execution: ending in letters
- letter W means degree of protection IP67; absence of W means degree of protection IP44
- amperage: first two or three numerals
- hour position of the earthing contact or auxiliary reference: following one or two numerals
- pole number: last numeral



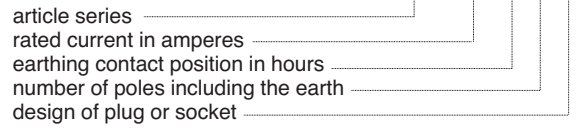


**pluso**

overview of the plugs and socket-outlets for industrial purposes  
low voltage and extra low voltage

Composition of the part No.: e.g. (low voltage)

**PEW 125 12 3 PP**



**socket-outlets and couplers - low voltage over 50V up to 690V**

IP67

IP44

<b>PE...PP</b> 16A 32A	<b>PEW...PP</b> 16A 32A 63A 125A	<b>PE...PQ</b> 16A 32A	<b>PEW...PQ</b> 16A 32A 63A 125A	<b>PE...PI</b> 16A 32A	<b>PEW...PI</b> 16A 32A 63A 125A	<b>PE...PV</b> 16A 32A	<b>PEW...PV</b> 16A 32A 63A 125A
page 14	page 14	page 16 - 32	page 16 - 32	page 15 - 49	page 15 - 49	page 10 <b>NEW</b>	page 10 - 11 <b>NEW</b>

**plugs - low voltage over 50V up to 690V**

IP67

IP44

<b>PE...SM</b> 16A 32A	<b>PEW...SM</b> 16A 32A 63A 125A	<b>PE...SI</b> 16A 32A	<b>PEW...SI</b> 16A 32A 63A 125A	<b>PE...SV</b> 16A 32A	<b>PEW...SV</b> 16A 32A 63A 125A	<b>PE...SA</b> 16A 32A	<b>PEW...SA</b> 16A 32A 63A 125A
page 18	page 18	page 19	page 19	page 9 <b>NEW</b>	page 9 - 13 <b>NEW</b>	page 17	page 17

**phase inverters - low voltage over 200V up to 415V**

IP67

IP44

<b>SIP...SM</b> 16A 32A	<b>SIPW...SM</b> 16A 32A	<b>SIP...SI</b> 16A 32A	<b>SIPW...SI</b> 16A 32A	<b>SIP...SV</b> 16A 32A	<b>SIPW...SV</b> 16A 32A
page 22	page 22	page 22	page 22	page 22 <b>NEW</b>	page 22 <b>NEW</b>

**plugs and socket-outlets - extra low voltage up to 50V**

IP44

<b>PB...PP</b> 16A 32A	<b>PB...PI</b> 16A 32A	<b>PB...PV</b> 16A 32A	<b>PB...SM</b> 16A 32A	<b>PB...SV</b> 16A 32A
page 20	page 21	page 20	page 21	page 20





**pluso**

plugs and socket-outlets  
for industrial purposes  
low voltage

- in compliance with EN 60309-1 and -2 standards
- body, inserts and locknut made of insulating, thermoplastic, self-extinguishing material
- PE...SV (IP44) types, entry with cable gland in operating voltage colour, RAL 7035 grey colour
- PEW...SV (IP66/IP67) types, entry with cable gland in operating voltage colour, RAL 7035 grey colour body, locknut with gasket, in the operating voltage colour
- fixing captive screws
- with Italian Quality Mark

picture ILME part No. description packaging

plugs - splashproof IP44 (EN 60529)

NEW



16A - 32A

ILME part No.	description	packaging
<b>100÷130V ~ - 50 and 60 Hz - yellow</b>		
PE 1643 SV	16A - 2P + ⊕ - 4h ● - ⊕	10
PE 1644 SV	16A - 3P + ⊕ - 4h ● - ⊕	10
PE 1645 SV	16A - 3P + N + ⊕ - 4h ● - ⊕	10
<b>200÷250V ~ - 50 and 60 Hz - blue</b>		
PE 1663 SV	16A - 2P + ⊕ - 6h ● - ⊕◇	100
PE 1694 SV	16A - 3P + ⊕ - 9h ● - ⊕	10
PE 1695 SV	16A - 3P + N + ⊕ - 9h ● - ⊕	10
<b>380÷415V ~ - 50 and 60 Hz - red</b>		
PE 1693 SV	16A - 2P + ⊕ - 9h ● - ⊕	10
PE 1664 SV	16A - 3P + ⊕ - 6h ● - ⊕◇	100
PE 1665 SV	16A - 3P + N + ⊕ - 6h ● - ⊕◇	50
<b>480÷500V ~ - 50 and 60 Hz - black</b>		
PE 1674 SV	16A - 3P + ⊕ - 7h ● - ⊕	10
PE 1675 SV	16A - 3P + N + ⊕ - 7h ● - ⊕	10
<b>100÷130V ~ - 50 and 60 Hz - yellow</b>		
PE 3243 SV	32A - 2P + ⊕ - 4h ● - ⊕	10
PE 3244 SV	32A - 3P + ⊕ - 4h ● - ⊕	10
PE 3245 SV	32A - 3P + N + ⊕ - 4h ● - ⊕	10
<b>200÷250V ~ - 50 and 60 Hz - blue</b>		
PE 3263 SV	32A - 2P + ⊕ - 6h ● - ⊕◇	10
PE 3294 SV	32A - 3P + ⊕ - 9h ● - ⊕	10
PE 3295 SV	32A - 3P + N + ⊕ - 9h ● - ⊕	10
<b>380÷415V ~ - 50 and 60 Hz - red</b>		
PE 3293 SV	32A - 2P + ⊕ - 9h ● - ⊕	10
PE 3264 SV	32A - 3P + ⊕ - 6h ● - ⊕◇	20
PE 3265 SV	32A - 3P + N + ⊕ - 6h ● - ⊕◇	20
<b>480÷500V ~ - 50 and 60 Hz - black</b>		
PE 3274 SV	32A - 3P + ⊕ - 7h ● - ⊕	10
PE 3275 SV	32A - 3P + N + ⊕ - 7h ● - ⊕	10

plugs - watertight IP66/IP67 (EN 60529)

NEW



16A - 32A

ILME part No.	description	packaging
<b>100÷130V ~ - 50 and 60 Hz - yellow</b>		
PEW 1643 SV	16A - 2P + ⊕ - 4h ● - ⊕	10
PEW 1644 SV	16A - 3P + ⊕ - 4h ● - ⊕	10
PEW 1645 SV	16A - 3P + N + ⊕ - 4h ● - ⊕	10
<b>200÷250V ~ - 50 and 60 Hz - blue</b>		
PEW 1663 SV	16A - 2P + ⊕ - 6h ● - ⊕◇	40
PEW 1694 SV	16A - 3P + ⊕ - 9h ● - ⊕	10
PEW 1695 SV	16A - 3P + N + ⊕ - 9h ● - ⊕	10
<b>380÷415V ~ - 50 and 60 Hz - red</b>		
PEW 1693 SV	16A - 2P + ⊕ - 9h ● - ⊕	10
PEW 1664 SV	16A - 3P + ⊕ - 6h ● - ⊕◇	20
PEW 1665 SV	16A - 3P + N + ⊕ - 6h ● - ⊕◇	20
<b>480÷500V ~ - 50 and 60 Hz - black</b>		
PEW 1674 SV	16A - 3P + ⊕ - 7h ● - ⊕	10
PEW 1675 SV	16A - 3P + N + ⊕ - 7h ● - ⊕	10
<b>100÷130V ~ - 50 and 60 Hz - yellow</b>		
PEW 3243 SV	32A - 2P + ⊕ - 4h ● - ⊕	10
PEW 3244 SV	32A - 3P + ⊕ - 4h ● - ⊕	10
PEW 3245 SV	32A - 3P + N + ⊕ - 4h ● - ⊕	10
<b>200÷250V ~ - 50 and 60 Hz - blue</b>		
PEW 3263 SV	32A - 2P + ⊕ - 6h ● - ⊕◇	10
PEW 3294 SV	32A - 3P + ⊕ - 9h ● - ⊕	10
PEW 3295 SV	32A - 3P + N + ⊕ - 9h ● - ⊕	10
<b>380÷415V ~ - 50 and 60 Hz - red</b>		
PEW 3293 SV	32A - 2P + ⊕ - 9h ● - ⊕	10
PEW 3264 SV	32A - 3P + ⊕ - 6h ● - ⊕◇	10
PEW 3265 SV	32A - 3P + N + ⊕ - 6h ● - ⊕◇	10
<b>480÷500V ~ - 50 and 60 Hz - black</b>		
PEW 3274 SV	32A - 3P + ⊕ - 7h ● - ⊕	10
PEW 3275 SV	32A - 3P + N + ⊕ - 7h ● - ⊕	10

◇ The articles with hour position 6h refer to the rated voltage (2P+⊕/220÷250V ~ - 3P+⊕ and 3P+N+⊕/380÷415V ~ -)  
Other executions not listed but within the norm can be supplied on request  
**Loose protective cover (accessory for plugs): page 17**



**pluso**

plugs and socket-outlets  
for industrial purposes  
low voltage

- in compliance with to EN 60309-1 and -2 standards
- body, insert and cover made of insulating, thermoplastic, self-extinguishing material
- PE...PV (IP44) types, RAL 7035 grey colour body, spring cover with operating voltage colour, entry with cable gland

- PEW...PV (IP66/IP67) types, RAL 7035 grey colour body, spring cover with locknut and gasket in the operating voltage colour, entry with cable gland
- fixing captive screws
- with Italian Quality Mark

PE - PEW - PHW

picture ILME part No. description packaging

**couplers - splashproof IP44 (EN 60529)**



NEW

16A - 32A

100÷130V ~ - 50 and 60 Hz - yellow			packaging
PE 1643 PV	16A - 2P + ⊕ - 4h ● - ⊕		10
PE 1644 PV	16A - 3P + ⊕ - 4h ● - ⊕		10
PE 1645 PV	16A - 3P + N + ⊕ - 4h ● - ⊕		10
200÷250V ~ - 50 and 60 Hz - blue			packaging
PE 1663 PV	16A - 2P + ⊕ - 6h ● - ⊕◇		100
PE 1694 PV	16A - 3P + ⊕ - 9h ● - ⊕		10
PE 1695 PV	16A - 3P + N + ⊕ - 9h ● - ⊕		10
380÷415V ~ - 50 and 60 Hz - red			packaging
PE 1693 PV	16A - 2P + ⊕ - 9h ● - ⊕		10
PE 1664 PV	16A - 3P + ⊕ - 6h ● - ⊕◇		100
PE 1665 PV	16A - 3P + N + ⊕ - 6h ● - ⊕◇		50
480÷500V ~ - 50 and 60 Hz - black			packaging
PE 1674 PV	16A - 3P + ⊕ - 7h ● - ⊕		10
PE 1675 PV	16A - 3P + N + ⊕ - 7h ● - ⊕		10
100÷130V ~ - 50 and 60 Hz - yellow			packaging
PE 3243 PV	32A - 2P + ⊕ - 4h ● - ⊕		10
PE 3244 PV	32A - 3P + ⊕ - 4h ● - ⊕		10
PE 3245 PV	32A - 3P + N + ⊕ - 4h ● - ⊕		10
200÷250V ~ - 50 and 60 Hz - blue			packaging
PE 3263 PV	32A - 2P + ⊕ - 6h ● - ⊕◇		10
PE 3294 PV	32A - 3P + ⊕ - 9h ● - ⊕		10
PE 3295 PV	32A - 3P + N + ⊕ - 9h ● - ⊕		10
380÷415V ~ - 50 and 60 Hz - red			packaging
PE 3293 PV	32A - 2P + ⊕ - 9h ● - ⊕		10
PE 3264 PV	32A - 3P + ⊕ - 6h ● - ⊕◇		10
PE 3265 PV	32A - 3P + N + ⊕ - 6h ● - ⊕◇		10
480÷500V ~ - 50 and 60 Hz - black			packaging
PE 3274 PV	32A - 3P + ⊕ - 7h ● - ⊕		10
PE 3275 PV	32A - 3P + N + ⊕ - 7h ● - ⊕		10

**couplers - watertight IP66/IP67 (EN 60529)**



NEW

16A - 32A

100÷130V ~ - 50 and 60 Hz - yellow			packaging
PEW 1643 PV	16A - 2P + ⊕ - 4h ● - ⊕		10
PEW 1644 PV	16A - 3P + ⊕ - 4h ● - ⊕		10
PEW 1645 PV	16A - 3P + N + ⊕ - 4h ● - ⊕		10
200÷250V ~ - 50 and 60 Hz - blue			packaging
PEW 1663 PV	16A - 2P + ⊕ - 6h ● - ⊕◇		20
PEW 1694 PV	16A - 3P + ⊕ - 9h ● - ⊕		10
PEW 1695 PV	16A - 3P + N + ⊕ - 9h ● - ⊕		10
380÷415V ~ - 50 and 60 Hz - red			packaging
PEW 1693 PV	16A - 2P + ⊕ - 9h ● - ⊕		10
PEW 1664 PV	16A - 3P + ⊕ - 6h ● - ⊕◇		10
PEW 1665 PV	16A - 3P + N + ⊕ - 6h ● - ⊕◇		10
480÷500V ~ - 50 and 60 Hz - black			packaging
PEW 1674 PV	16A - 3P + ⊕ - 7h ● - ⊕		10
PEW 1675 PV	16A - 3P + N + ⊕ - 7h ● - ⊕		10
100÷130V ~ - 50 and 60 Hz - yellow			packaging
PEW 3243 PV	32A - 2P + ⊕ - 4h ● - ⊕		10
PEW 3244 PV	32A - 3P + ⊕ - 4h ● - ⊕		10
PEW 3245 PV	32A - 3P + N + ⊕ - 4h ● - ⊕		10
200÷250V ~ - 50 and 60 Hz - blue			packaging
PEW 3263 PV	32A - 2P + ⊕ - 6h ● - ⊕◇		10
PEW 3294 PV	32A - 3P + ⊕ - 9h ● - ⊕		10
PEW 3295 PV	32A - 3P + N + ⊕ - 9h ● - ⊕		10
380÷415V ~ - 50 and 60 Hz - red			packaging
PEW 3293 PV	32A - 2P + ⊕ - 9h ● - ⊕		10
PEW 3264 PV	32A - 3P + ⊕ - 6h ● - ⊕◇		10
PEW 3265 PV	32A - 3P + N + ⊕ - 6h ● - ⊕◇		10
480÷500V ~ - 50 and 60 Hz - black			packaging
PEW 3274 PV	32A - 3P + ⊕ - 7h ● - ⊕		10
PEW 3275 PV	32A - 3P + N + ⊕ - 7h ● - ⊕		10

◇ The articles with hour position 6h refer to the rated voltage (2P+⊕/220÷250V ~ - 3P+⊕ and 3P+N+⊕/380÷415V ~ -)  
Other executions not listed but within the norm can be supplied on request



**pluso**

plugs and socket-outlets  
for industrial purposes  
low voltage

- in compliance with European standards EN 60309-1 and -2
- body, insert and spring lid in insulating thermoplastic self-extinguishing material
- PEW..PV: spring lid with locking ring and gasket, entry with cable gland

- 63A, 125A: with pilot contact
- 63A, 125A: with nickel-plated contacts
- with Italian Quality Mark

PE - PEW - PHW

picture	ILME part No.	description	packaging
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63A-125A

plugs - watertight IP67 (EN 60529)

100÷130V ~ - 50 and 60 Hz - yellow			
PEW 6343 SV	63A - 2P + ⊕	- 4h ● - ⊕	2
PEW 6344 SV	63A - 3P + ⊕	- 4h ● - ⊕	2
PEW 6345 SV	63A - 3P + N + ⊕	- 4h ● - ⊕	2
PEW 12544 SV	125A - 3P + ⊕	- 4h ● - ⊕	1
200÷250V ~ - 50 and 60 Hz - blue			
PEW 6363 SV	63A - 2P + ⊕	- 6h ● - ⊕◇	2
PEW 6394 SV	63A - 3P + ⊕	- 9h ● - ⊕	2
PEW 6395 SV	63A - 3P + N + ⊕	- 9h ● - ⊕	2
PEW 12563 SV	125A - 2P + ⊕	- 6h ● - ⊕◇	6
PEW 12594 SV	125A - 3P + ⊕	- 9h ● - ⊕	1
PEW 12595 SV	125A - 3P + N + ⊕	- 9h ● - ⊕	1
380÷415V ~ - 50 and 60 Hz - red			
PEW 6393 SV	63A - 2P + ⊕	- 9h ● - ⊕	2
PEW 6364 SV	63A - 3P + ⊕	- 6h ● - ⊕◇	2
PEW 6365 SV	63A - 3P + N + ⊕	- 6h ● - ⊕◇	2
PEW 12564 SV	125A - 3P + ⊕	- 6h ● - ⊕◇	6
PEW 12565 SV	125A - 3P + N + ⊕	- 6h ● - ⊕◇	6
480÷500V ~ - 50 and 60 Hz - black			
PEW 6374 SV	63A - 3P + ⊕	- 7h ● - ⊕	2
PEW 6375 SV	63A - 3P + N + ⊕	- 7h ● - ⊕	2
PEW 12574 SV	125A - 3P + ⊕	- 7h ● - ⊕	1
PEW 12575 SV	125A - 3P + N + ⊕	- 7h ● - ⊕	1

◇ The articles with hour position 6h refer to the rated voltage (2P+⊕/220÷250V ~ - 3P+⊕ and 3P+N+⊕/380÷415V ~)  
Other executions not listed but within the norm can be supplied on request  
**Loose protective cover (accessory for plugs): page 17**

couplers - watertight IP67 (EN 60529)

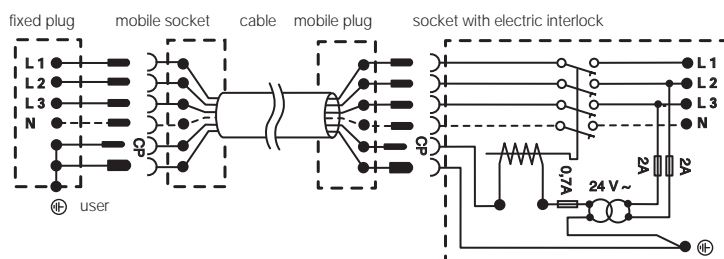


63A-125A

100÷130V ~ - 50 and 60 Hz - yellow			
PEW 6343 PV	63A - 2P + ⊕	- 4h ● - ⊕	2
PEW 6344 PV	63A - 3P + ⊕	- 4h ● - ⊕	2
PEW 6345 PV	63A - 3P + N + ⊕	- 4h ● - ⊕	2
PEW 12544 PV	125A - 3P + ⊕	- 4h ● - ⊕	1
200÷250V ~ - 50 and 60 Hz - blue			
PEW 6363 PV	63A - 2P + ⊕	- 6h ● - ⊕◇	2
PEW 6394 PV	63A - 3P + ⊕	- 9h ● - ⊕	2
PEW 6395 PV	63A - 3P + N + ⊕	- 9h ● - ⊕	2
PEW 12563 PV	125A - 2P + ⊕	- 6h ● - ⊕◇	6
PEW 12594 PV	125A - 3P + ⊕	- 9h ● - ⊕	1
PEW 12595 PV	125A - 3P + N + ⊕	- 9h ● - ⊕	6
380÷415V ~ - 50 and 60 Hz - red			
PEW 6393 PV	63A - 2P + ⊕	- 9h ● - ⊕	2
PEW 6364 PV	63A - 3P + ⊕	- 6h ● - ⊕◇	2
PEW 6365 PV	63A - 3P + N + ⊕	- 6h ● - ⊕◇	2
PEW 12564 PV	125A - 3P + ⊕	- 6h ● - ⊕◇	6
PEW 12565 PV	125A - 3P + N + ⊕	- 6h ● - ⊕◇	6
480÷500V ~ - 50 and 60 Hz - black			
PEW 6374 PV	63A - 3P + ⊕	- 7h ● - ⊕	2
PEW 6375 PV	63A - 3P + N + ⊕	- 7h ● - ⊕	2
PEW 12574 PV	125A - 3P + ⊕	- 7h ● - ⊕	1
PEW 12575 PV	125A - 3P + N + ⊕	- 7h ● - ⊕	1

◇ The articles with hour position 6h refer to the rated voltage (2P+⊕/220÷250V ~ - 3P+⊕ and 3P+N+⊕/380÷415V ~)  
Other executions not listed but within the norm can be supplied on request





Example of electric interlock realised by pilot contact that avoids underload operations and controls the earthing contact continuity.





**pluso**  
plugs and socket-outlets  
for entertainment

- in compliance with EN 60309-1 and -2 standards
- body, inserts and locknut made of insulating, thermoplastic, self-extinguishing material
- fixing captive screws
- colour body and locknut RAL 9005

picture	ILME part No.	description	packaging
		<b>plugs - splashproof IP44 (EN 60529)</b>	
		<b>200÷250V ~ - 50 and 60 Hz - blue</b>	
	<b>PN 1663 SV</b>	16A - 2P + ⊕ - 6h ●	100
		<b>couplers - splashproof IP44 (EN 60529)</b>	
		<b>200÷250V ~ - 50 and 60 Hz - blue</b>	
	<b>PN 1663 PV</b>	16A - 2P + ⊕ - 6h ●	100
		<b>inclined flush-mounting sockets - splashproof IP44 (EN 60529)</b>	
		<b>200÷250V ~ - 50 and 60 Hz - blue</b>	
	<b>PN 1663 PI</b>	16A - 2P + ⊕ - 6h ● - flange 64x82 mm	20
		<b>straight flush-mounting sockets - splashproof IP44 (EN 60529)</b>	
		<b>200÷250V ~ - 50 and 60 Hz - blue</b>	
	<b>PN 1663 PQ</b>	16A - 2P + ⊕ - 6h ● - flange 65x65 mm	50



**pluso - HD**  
plugs and socket-outlets  
for industrial purposes  
HEAVY DUTY

- conform to EN 60309-1 and -2 standards
- body, inserts and locknut made of insulating, thermoplastic, self-extinguishing material
- fixing captive screws
- stainless steel insert fixing screws
- nickel plated contacts as standard
- IP66/IP67 degree of protection (EN 60529)
- temperature range: from -40°C to +100°C
- with Italian Quality Mark

picture	ILME part No.	description	packaging
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**plugs - watertight IP66/IP67 (EN 60529)**

PHW...SV (IP66/IP67) types, entry with cable gland in the operating voltage colour, RAL 7012 grey colour body, locknut with gasket, in the operating voltage colour

NEW



16A - 32A

200÷250V ~ - 50 and 60 Hz - blue			
PHW 1663 SV	16A - 2P + ⊕	- 6h ● - ⊕◇	10
380÷415V ~ - 50 and 60 Hz - red			
PHW 1664 SV	16A - 3P + ⊕	- 6h ● - ⊕◇	10
PHW 1665 SV	16A - 3P + N + ⊕	- 6h ● - ⊕◇	10
200÷250V ~ - 50 and 60 Hz - blue			
PHW 3263 SV	32A - 2P + ⊕	- 6h ● - ⊕◇	10
380÷415V ~ - 50 and 60 Hz - red			
PHW 3264 SV	32A - 3P + ⊕	- 6h ● - ⊕◇	10
PHW 3265 SV	32A - 3P + N + ⊕	- 6h ● - ⊕◇	10

NEW



63A-125A

200÷250V ~ - 50 and 60 Hz - blue			
PHW 6363 SV	63A - 2P + ⊕	- 6h ● - ⊕◇	2
380÷415V ~ - 50 and 60 Hz - red			
PHW 6364 SV	63A - 3P + ⊕	- 6h ● - ⊕◇	2
PHW 6365 SV	63A - 3P + N + ⊕	- 6h ● - ⊕◇	2
380÷415V ~ - 50 and 60 Hz - red			
PHW 12564 SV	125A - 3P + ⊕	- 6h ● - ⊕◇	6
PHW 12565 SV	125A - 3P + N + ⊕	- 6h ● - ⊕◇	6

**couplers - watertight IP66/IP67 (EN 60529)**

PHW...PV (IP66/IP67) types, RAL 7012 grey colour body, spring cover with locknut and gasket in the operating voltage colour, entry with cable gland

NEW



16A - 32A

200÷250V ~ - 50 and 60 Hz - blue			
PHW 1663 PV	16A - 2P + ⊕	- 6h ● - ⊕◇	10
380÷415V ~ - 50 and 60 Hz - red			
PHW 1664 PV	16A - 3P + ⊕	- 6h ● - ⊕◇	10
PHW 1665 PV	16A - 3P + N + ⊕	- 6h ● - ⊕◇	10
200÷250V ~ - 50 and 60 Hz - blue			
PHW 3263 PV	32A - 2P + ⊕	- 6h ● - ⊕◇	10
380÷415V ~ - 50 and 60 Hz - red			
PHW 3264 PV	32A - 3P + ⊕	- 6h ● - ⊕◇	10
PHW 3265 PV	32A - 3P + N + ⊕	- 6h ● - ⊕◇	10

NEW



63A-125A

200÷250V ~ - 50 and 60 Hz - blue			
PHW 6363 PV	63A - 2P + ⊕	- 6h ● - ⊕◇	2
380÷415V ~ - 50 and 60 Hz - red			
PHW 6364 PV	63A - 3P + ⊕	- 6h ● - ⊕◇	2
PHW 6365 PV	63A - 3P + N + ⊕	- 6h ● - ⊕◇	2
380÷415V ~ - 50 and 60 Hz - red			
PHW 12564 PV	125A - 3P + ⊕	- 6h ● - ⊕◇	6
PHW 12565 PV	125A - 3P + N + ⊕	- 6h ● - ⊕◇	6

◇ The articles with hour position 6h refer to the rated voltage (2P+⊕/220÷250V ~ - 3P+⊕ and 3P+N+⊕/380÷415V ~) Other executions not listed but within the norm can be supplied on request

The new HD (Heavy Duty) versions are available only in the IP66/IP67 type, able to withstand extreme weather conditions. More specifically, the materials have been changed to be more resistant to low temperatures. The contacts of HD models are nickel plated.



**pluso**

plugs and socket-outlets  
for industrial purposes  
low voltage

- in compliance with European standards EN 60309-1 and -2
- body, insert and spring lid in insulating thermoplastic self-extinguishing material
- splashproof types: spring lid, entry with threaded grommet (replaceable with a cable gland))

- watertight types: spring lid with locking ring and gasket, entry with cable gland
- 63A, 125A: with pilot contact
- 63A, 125A: with nickel-plated contacts
- 125A: complete with terminal block for cable connection
- with Italian Quality Mark

PE - PEW - PHW

picture

ILME  
part No.

description

packaging

wall-mounting sockets - splashproof IP44 (EN 60529)



16A-32A

100÷130V ~ - 50 and 60 Hz - yellow			
PE 1643 PP	16A - 2P + ⊕	- 4h ● - Pg 16-⊕	10
PE 1644 PP	16A - 3P + ⊕	- 4h ● - Pg 16-⊕	10
PE 1645 PP	16A - 3P + N + ⊕	- 4h ● - Pg 21-⊕	10
PE 3243 PP	32A - 2P + ⊕	- 4h ● - Pg 21-⊕	10
PE 3244 PP	32A - 3P + ⊕	- 4h ● - Pg 21-⊕	10
PE 3245 PP	32A - 3P + N + ⊕	- 4h ● - Pg 21-⊕	10
200÷250V ~ - 50 and 60 Hz - blue			
PE 1663 PP	16A - 2P + ⊕	- 6h ● - Pg 16-⊕◇	20
PE 1694 PP	16A - 3P + ⊕	- 9h ● - Pg 16-⊕	10
PE 1695 PP	16A - 3P + N + ⊕	- 9h ● - Pg 21-⊕	10
PE 3263 PP	32A - 2P + ⊕	- 6h ● - Pg 21-⊕◇	10
PE 3294 PP	32A - 3P + ⊕	- 9h ● - Pg 21-⊕	10
PE 3295 PP	32A - 3P + N + ⊕	- 9h ● - Pg 21-⊕	10
380÷415V ~ - 50 and 60 Hz - red			
PE 1693 PP	16A - 2P + ⊕	- 9h ● - Pg 16-⊕	10
PE 1664 PP	16A - 3P + ⊕	- 6h ● - Pg 16-⊕◇	20
PE 1665 PP	16A - 3P + N + ⊕	- 6h ● - Pg 21-⊕◇	10
PE 3293 PP	32A - 2P + ⊕	- 9h ● - Pg 21-⊕	10
PE 3264 PP	32A - 3P + ⊕	- 6h ● - Pg 21-⊕◇	10
PE 3265 PP	32A - 3P + N + ⊕	- 6h ● - Pg 21-⊕◇	10
480÷500V ~ - 50 and 60 Hz - black			
PE 1674 PP	16A - 3P + ⊕	- 7h ● - Pg 16-⊕	10
PE 1675 PP	16A - 3P + N + ⊕	- 7h ● - Pg 21-⊕	10
PE 3274 PP	32A - 3P + ⊕	- 7h ● - Pg 21-⊕	10
PE 3275 PP	32A - 3P + N + ⊕	- 7h ● - Pg 21-⊕	10



16A-32A



63A



125A

wall-mounting sockets - watertight IP67 (EN 60529)

100÷130V ~ - 50 and 60 Hz - yellow			
PEW 1643 PP	16A - 2P + ⊕	- 4h ● - Pg 16-⊕	10
PEW 1644 PP	16A - 3P + ⊕	- 4h ● - Pg 16-⊕	10
PEW 1645 PP	16A - 3P + N + ⊕	- 4h ● - Pg 21-⊕	10
PEW 3243 PP	32A - 2P + ⊕	- 4h ● - Pg 21-⊕	10
PEW 3244 PP	32A - 3P + ⊕	- 4h ● - Pg 21-⊕	10
PEW 3245 PP	32A - 3P + N + ⊕	- 4h ● - Pg 21-⊕	10
PEW 6343 PP	63A - 2P + ⊕	- 4h ● - Pg 29-⊕	1
PEW 6344 PP	63A - 3P + ⊕	- 4h ● - Pg 29-⊕	1
PEW 6345 PP	63A - 3P + N + ⊕	- 4h ● - Pg 29-⊕	1
PEW 12544 PP	125A - 3P + ⊕	- 4h ● - Pg 48-⊕	1
200÷250V ~ - 50 and 60 Hz - blue			
PEW 1663 PP	16A - 2P + ⊕	- 6h ● - Pg 16-⊕◇	10
PEW 1694 PP	16A - 3P + ⊕	- 9h ● - Pg 16-⊕	10
PEW 1695 PP	16A - 3P + N + ⊕	- 9h ● - Pg 21-⊕	10
PEW 3263 PP	32A - 2P + ⊕	- 6h ● - Pg 21-⊕◇	10
PEW 3294 PP	32A - 3P + ⊕	- 9h ● - Pg 21-⊕	10
PEW 3295 PP	32A - 3P + N + ⊕	- 9h ● - Pg 21-⊕	10
PEW 6363 PP	63A - 2P + ⊕	- 6h ● - Pg 29-⊕◇	1
PEW 6394 PP	63A - 3P + ⊕	- 9h ● - Pg 29-⊕	1
PEW 6395 PP	63A - 3P + N + ⊕	- 9h ● - Pg 29-⊕	1
PEW 12563 PP	125A - 2P + ⊕	- 6h ● - Pg 48-⊕◇	1
PEW 12594 PP	125A - 3P + ⊕	- 9h ● - Pg 48-⊕	1
PEW 12595 PP	125A - 3P + N + ⊕	- 9h ● - Pg 48-⊕	1
380÷415V ~ - 50 and 60 Hz - red			
PEW 1693 PP	16A - 2P + ⊕	- 9h ● - Pg 16-⊕	10
PEW 1664 PP	16A - 3P + ⊕	- 6h ● - Pg 16-⊕◇	10
PEW 1665 PP	16A - 3P + N + ⊕	- 6h ● - Pg 21-⊕◇	10
PEW 3293 PP	32A - 2P + ⊕	- 9h ● - Pg 21-⊕	10
PEW 3264 PP	32A - 3P + ⊕	- 6h ● - Pg 21-⊕◇	10
PEW 3265 PP	32A - 3P + N + ⊕	- 6h ● - Pg 21-⊕◇	10
PEW 6393 PP	63A - 2P + ⊕	- 9h ● - Pg 29-⊕	1
PEW 6364 PP	63A - 3P + ⊕	- 6h ● - Pg 29-⊕◇	1
PEW 6365 PP	63A - 3P + N + ⊕	- 6h ● - Pg 29-⊕◇	1
PEW 12564 PP	125A - 3P + ⊕	- 6h ● - Pg 48-⊕◇	1
PEW 12565 PP	125A - 3P + N + ⊕	- 6h ● - Pg 48-⊕◇	1
480÷500V ~ - 50 and 60 Hz - black			
PEW 1674 PP	16A - 3P + ⊕	- 7h ● - Pg 16-⊕	10
PEW 1675 PP	16A - 3P + N + ⊕	- 7h ● - Pg 21-⊕	10
PEW 3274 PP	32A - 3P + ⊕	- 7h ● - Pg 21-⊕	10
PEW 3275 PP	32A - 3P + N + ⊕	- 7h ● - Pg 21-⊕	10
PEW 6374 PP	63A - 3P + ⊕	- 7h ● - Pg 29-⊕	1
PEW 6375 PP	63A - 3P + N + ⊕	- 7h ● - Pg 29-⊕	1
PEW 12574 PP	125A - 3P + ⊕	- 7h ● - Pg 48-⊕	1
PEW 12575 PP	125A - 3P + N + ⊕	- 7h ● - Pg 48-⊕	1

◇ The articles with hour position 6h refer to the rated voltage (2P+⊕/220÷250V ~ - 3P+⊕ and 3P+N+⊕/380÷415V ~) 16A and 32A versions with nickel-plated contacts can be supplied on request Other executions not listed but within the norm can be supplied on request

For technical data-sheet and further information please look at our technical catalogues on website [www.ilme.com](http://www.ilme.com)



**pluso**

plugs and socket-outlets  
for industrial purposes  
low voltage

- in compliance with European standards EN 60309-1 and -2
- body, insert and spring lid in insulating thermoplastic self-extinguishing material
- flange with anti-aging gasket
- splashproof types: spring lid

- watertight types: spring lid with locking ring and gasket
- 63A, 125A: with pilot contact
- 63A, 125A: with nickel-plated contacts
- with Italian Quality Mark

picture ILME description packaging  
part No.



16A-32A

**inclined flush-mounting sockets - splashproof IP44 (EN 60529)**

<b>100÷130V ~ - 50 and 60 Hz - yellow</b>			
PE 1643 PI	16A - 2P + ⊕	- 4h ● - flange 64x82 mm- ⊕	10
PE 1644 PI	16A - 3P + ⊕	- 4h ● - flange 64x82 mm- ⊕	10
PE 1645 PI	16A - 3P + N + ⊕	- 4h ● - flange 92x100 mm- ⊕	10
PE 3243 PI	32A - 2P + ⊕	- 4h ● - flange 92x100 mm- ⊕	10
PE 3244 PI	32A - 3P + ⊕	- 4h ● - flange 92x100 mm- ⊕	10
PE 3245 PI	32A - 3P + N + ⊕	- 4h ● - flange 92x102 mm- ⊕	10
<b>200÷250V ~ - 50 and 60 Hz - blue</b>			
PE 1663 PI	16A - 2P + ⊕	- 6h ● - flange 64x82 mm- ⊕◇	20
PE 1694 PI	16A - 3P + ⊕	- 9h ● - flange 64x82 mm- ⊕	10
PE 1695 PI	16A - 3P + N + ⊕	- 9h ● - flange 92x100 mm- ⊕	10
PE 3263 PI	32A - 2P + ⊕	- 6h ● - flange 92x100 mm- ⊕◇	10
PE 3294 PI	32A - 3P + ⊕	- 9h ● - flange 92x100 mm- ⊕	10
PE 3295 PI	32A - 3P + N + ⊕	- 9h ● - flange 92x102 mm- ⊕	10
<b>380÷415V ~ - 50 and 60 Hz - red</b>			
PE 1693 PI	16A - 2P + ⊕	- 9h ● - flange 64x82 mm- ⊕	10
PE 1664 PI	16A - 3P + ⊕	- 6h ● - flange 64x82 mm- ⊕◇	10
PE 1665 PI	16A - 3P + N + ⊕	- 6h ● - flange 92x100 mm- ⊕◇	10
PE 3293 PI	32A - 2P + ⊕	- 9h ● - flange 92x100 mm- ⊕	10
PE 3264 PI	32A - 3P + ⊕	- 6h ● - flange 92x100 mm- ⊕◇	10
PE 3265 PI	32A - 3P + N + ⊕	- 6h ● - flange 92x102 mm- ⊕◇	10
<b>480÷500V ~ - 50 and 60 Hz - black</b>			
PE 1674 PI	16A - 3P + ⊕	- 7h ● - flange 64x82 mm- ⊕	10
PE 1675 PI	16A - 3P + N + ⊕	- 7h ● - flange 92x100 mm- ⊕	10
PE 3274 PI	32A - 3P + ⊕	- 7h ● - flange 92x100 mm- ⊕	10
PE 3275 PI	32A - 3P + N + ⊕	- 7h ● - flange 92x102 mm- ⊕	10



16A-32A  
63A-125A

**inclined flush-mounting sockets - watertight IP67 (EN 60529)**

<b>100÷130V ~ - 50 and 60 Hz - yellow</b>			
PEW 1643 PI	16A - 2P + ⊕	- 4h ● - flange 65x82 mm - ⊕	10
PEW 1644 PI	16A - 3P + ⊕	- 4h ● - flange 65x82 mm - ⊕	10
PEW 1645 PI	16A - 3P + N + ⊕	- 4h ● - flange 90x100 mm- ⊕	10
PEW 3243 PI	32A - 2P + ⊕	- 4h ● - flange 90x100 mm- ⊕	10
PEW 3244 PI	32A - 3P + ⊕	- 4h ● - flange 90x100 mm- ⊕	10
PEW 3245 PI	32A - 3P + N + ⊕	- 4h ● - flange 90x100 mm- ⊕	10
PEW 6343 PI	63A - 2P + ⊕	- 4h ● - flange 100x107 mm- ⊕	4
PEW 6344 PI	63A - 3P + ⊕	- 4h ● - flange 100x107 mm- ⊕	4
PEW 6345 PI	63A - 3P + N + ⊕	- 4h ● - flange 100x107 mm- ⊕	4
PEW 12544 PI	125A - 3P + ⊕	- 4h ● - flange 130x130 mm- ⊕	1
<b>200÷250V ~ - 50 and 60 Hz - blue</b>			
PEW 1663 PI	16A - 2P + ⊕	- 6h ● - flange 65x82 mm - ⊕◇	10
PEW 1694 PI	16A - 3P + ⊕	- 9h ● - flange 65x82 mm - ⊕	10
PEW 1695 PI	16A - 3P + N + ⊕	- 9h ● - flange 90x100 mm- ⊕	10
PEW 3263 PI	32A - 2P + ⊕	- 6h ● - flange 90x100 mm- ⊕◇	10
PEW 3294 PI	32A - 3P + ⊕	- 9h ● - flange 90x100 mm- ⊕	10
PEW 3295 PI	32A - 3P + N + ⊕	- 9h ● - flange 90x100 mm- ⊕	10
PEW 6363 PI	63A - 2P + ⊕	- 6h ● - flange 100x107 mm- ⊕◇	10
PEW 6394 PI	63A - 3P + ⊕	- 9h ● - flange 100x107 mm- ⊕	4
PEW 6395 PI	63A - 3P + N + ⊕	- 9h ● - flange 100x107 mm- ⊕	4
PEW 12563 PI	125A - 2P + ⊕	- 6h ● - flange 130x130 mm- ⊕◇	8
PEW 12594 PI	125A - 3P + ⊕	- 9h ● - flange 130x130 mm- ⊕	1
PEW 12595 PI	125A - 3P + N + ⊕	- 9h ● - flange 130x130 mm- ⊕	1
<b>380÷415V ~ - 50 and 60 Hz - red</b>			
PEW 1693 PI	16A - 2P + ⊕	- 9h ● - flange 65x82 mm - ⊕	10
PEW 1664 PI	16A - 3P + ⊕	- 6h ● - flange 65x82 mm - ⊕◇	10
PEW 1665 PI	16A - 3P + N + ⊕	- 6h ● - flange 90x100 mm- ⊕◇	10
PEW 3293 PI	32A - 2P + ⊕	- 9h ● - flange 90x100 mm- ⊕	10
PEW 3264 PI	32A - 3P + ⊕	- 6h ● - flange 90x100 mm- ⊕◇	10
PEW 3265 PI	32A - 3P + N + ⊕	- 6h ● - flange 90x100 mm- ⊕◇	10
PEW 6393 PI	63A - 2P + ⊕	- 9h ● - flange 100x107 mm- ⊕	4
PEW 6364 PI	63A - 3P + ⊕	- 6h ● - flange 100x107 mm- ⊕◇	4
PEW 6365 PI	63A - 3P + N + ⊕	- 6h ● - flange 100x107 mm- ⊕◇	4
PEW 12564 PI	125A - 3P + ⊕	- 6h ● - flange 130x130 mm- ⊕◇	8
PEW 12565 PI	125A - 3P + N + ⊕	- 6h ● - flange 130x130 mm- ⊕◇	8
<b>480÷500V ~ - 50 and 60 Hz - black</b>			
PEW 1674 PI	16A - 3P + ⊕	- 7h ● - flange 65x82 mm - ⊕	10
PEW 1675 PI	16A - 3P + N + ⊕	- 7h ● - flange 90x100 mm- ⊕	10
PEW 3274 PI	32A - 3P + ⊕	- 7h ● - flange 90x100 mm- ⊕	10
PEW 3275 PI	32A - 3P + N + ⊕	- 7h ● - flange 90x100 mm- ⊕	10
PEW 6374 PI	63A - 3P + ⊕	- 7h ● - flange 100x107 mm- ⊕	4
PEW 6375 PI	63A - 3P + N + ⊕	- 7h ● - flange 100x107 mm- ⊕	4
PEW 12574 PI	125A - 3P + ⊕	- 7h ● - flange 130x130 mm- ⊕	1
PEW 12575 PI	125A - 3P + N + ⊕	- 7h ● - flange 130x130 mm- ⊕	1

◇The articles with hour position 6h refer to the rated voltage (2P+⊕/220÷250V ~ - 3P+⊕ and 3P+N+⊕/380÷415V ~ -) 16A and 32A versions with nickel-plated contacts can be supplied on request  
Other executions not listed but within the norm can be supplied on request

For technical data-sheet and further information please look at our technical catalogues on website [www.ilme.com](http://www.ilme.com)



**pluso**

plugs and socket-outlets  
for industrial purposes  
low voltage

- in compliance with European standards EN 60309-1 and -2
- body, insert and spring lid in insulating thermoplastic self-extinguishing material
- flange with anti-aging gasket
- fixing screws bag provided with FM boxes: page 28
- splashproof types: spring lid

- watertight types: spring lid with locking ring and gasket
- 63A, 125A: with pilot contact
- 63A, 125A: with nickel-plated contacts
- with Italian Quality Mark

picture ILME description packaging  
part No.



16A-32A

### straight flush-mounting sockets - splashproof IP44 (EN 60529)

100÷130V ~ - 50 and 60 Hz - yellow			
PE 1643 PQ	16A - 2P + ⊕	- 4h ● - flange 65x65 mm - ⊕	50
PE 1644 PQ	16A - 3P + ⊕	- 4h ● - flange 65x65 mm - ⊕	10
PE 1645 PQ	16A - 3P + N + ⊕	- 4h ● - flange 80x80 mm - ⊕	10
PE 3243 PQ	32A - 2P + ⊕	- 4h ● - flange 80x80 mm - ⊕	10
PE 3244 PQ	32A - 3P + ⊕	- 4h ● - flange 80x80 mm - ⊕	10
PE 3245 PQ	32A - 3P + N + ⊕	- 4h ● - flange 80x80 mm - ⊕	10
200÷250V ~ - 50 and 60 Hz - blue			
PE 1663 PQ	16A - 2P + ⊕	- 6h ● - flange 65x65 mm - ⊕◇	50
PE 1694 PQ	16A - 3P + ⊕	- 9h ● - flange 65x65 mm - ⊕	10
PE 1695 PQ	16A - 3P + N + ⊕	- 9h ● - flange 80x80 mm - ⊕	10
PE 3263 PQ	32A - 2P + ⊕	- 6h ● - flange 80x80 mm - ⊕◇	10
PE 3294 PQ	32A - 3P + ⊕	- 9h ● - flange 80x80 mm - ⊕	10
PE 3295 PQ	32A - 3P + N + ⊕	- 9h ● - flange 80x80 mm - ⊕	10
380÷415V ~ - 50 and 60 Hz - red			
PE 1693 PQ	16A - 2P + ⊕	- 9h ● - flange 65x65 mm - ⊕	10
PE 1664 PQ	16A - 3P + ⊕	- 6h ● - flange 65x65 mm - ⊕◇	10
PE 1665 PQ	16A - 3P + N + ⊕	- 6h ● - flange 80x80 mm - ⊕◇	10
PE 3293 PQ	32A - 2P + ⊕	- 9h ● - flange 80x80 mm - ⊕	10
PE 3264 PQ	32A - 3P + ⊕	- 6h ● - flange 80x80 mm - ⊕◇	10
PE 3265 PQ	32A - 3P + N + ⊕	- 6h ● - flange 80x80 mm - ⊕◇	10
480÷500V ~ - 50 and 60 Hz - black			
PE 1674 PQ	16A - 3P + ⊕	- 7h ● - flange 65x65 mm - ⊕	10
PE 1675 PQ	16A - 3P + N + ⊕	- 7h ● - flange 80x80 mm - ⊕	10
PE 3274 PQ	32A - 3P + ⊕	- 7h ● - flange 80x80 mm - ⊕	10
PE 3275 PQ	32A - 3P + N + ⊕	- 7h ● - flange 80x80 mm - ⊕	10

16A-32A  
63A-125A

### straight flush-mounting sockets - watertight IP67 (EN 60529)

100÷130V ~ - 50 and 60 Hz - yellow			
PEW 1643 PQ	16A - 2P + ⊕	- 4h ● - flange 65x65 mm - ⊕	10
PEW 1644 PQ	16A - 3P + ⊕	- 4h ● - flange 65x65 mm - ⊕	10
PEW 1645 PQ	16A - 3P + N + ⊕	- 4h ● - flange 80x80 mm - ⊕	10
PEW 3243 PQ	32A - 2P + ⊕	- 4h ● - flange 80x80 mm - ⊕	10
PEW 3244 PQ	32A - 3P + ⊕	- 4h ● - flange 80x80 mm - ⊕	10
PEW 3245 PQ	32A - 3P + N + ⊕	- 4h ● - flange 80x80 mm - ⊕	10
PEW 6343 PQ	63A - 2P + ⊕	- 4h ● - flange 100x107 mm - ⊕	4
PEW 6344 PQ	63A - 3P + ⊕	- 4h ● - flange 100x107 mm - ⊕	4
PEW 6345 PQ	63A - 3P + N + ⊕	- 4h ● - flange 100x107 mm - ⊕	4
PEW 12544 PQ	125A - 3P + ⊕	- 4h ● - flange 130x130 mm - ⊕	1
200÷250V ~ - 50 and 60 Hz - blue			
PEW 1663 PQ	16A - 2P + ⊕	- 6h ● - flange 65x65 mm - ⊕◇	10
PEW 1694 PQ	16A - 3P + ⊕	- 9h ● - flange 65x65 mm - ⊕	10
PEW 1695 PQ	16A - 3P + N + ⊕	- 9h ● - flange 80x80 mm - ⊕	10
PEW 3263 PQ	32A - 2P + ⊕	- 6h ● - flange 80x80 mm - ⊕◇	10
PEW 3294 PQ	32A - 3P + ⊕	- 9h ● - flange 80x80 mm - ⊕	10
PEW 3295 PQ	32A - 3P + N + ⊕	- 9h ● - flange 80x80 mm - ⊕	10
PEW 6363 PQ	63A - 2P + ⊕	- 6h ● - flange 100x107 mm - ⊕◇	4
PEW 6395 PQ	63A - 3P + N + ⊕	- 9h ● - flange 100x107 mm - ⊕	4
PEW 12563 PQ	125A - 2P + ⊕	- 6h ● - flange 130x130 mm - ⊕◇	8
PEW 12594 PQ	125A - 3P + ⊕	- 9h ● - flange 130x130 mm - ⊕	1
PEW 12595 PQ	125A - 3P + N + ⊕	- 9h ● - flange 130x130 mm - ⊕	1
380÷415V ~ - 50 and 60 Hz - red			
PEW 1693 PQ	16A - 2P + ⊕	- 9h ● - flange 65x65 mm - ⊕	10
PEW 1664 PQ	16A - 3P + ⊕	- 6h ● - flange 65x65 mm - ⊕◇	10
PEW 1665 PQ	16A - 3P + N + ⊕	- 6h ● - flange 80x80 mm - ⊕◇	10
PEW 3293 PQ	32A - 2P + ⊕	- 9h ● - flange 80x80 mm - ⊕	10
PEW 3264 PQ	32A - 3P + ⊕	- 6h ● - flange 80x80 mm - ⊕◇	10
PEW 3265 PQ	32A - 3P + N + ⊕	- 6h ● - flange 80x80 mm - ⊕◇	10
PEW 6393 PQ	63A - 2P + ⊕	- 9h ● - flange 100x107 mm - ⊕	4
PEW 6364 PQ	63A - 3P + ⊕	- 6h ● - flange 100x107 mm - ⊕◇	4
PEW 6365 PQ	63A - 3P + N + ⊕	- 6h ● - flange 100x107 mm - ⊕◇	4
PEW 12564 PQ	125A - 3P + ⊕	- 6h ● - flange 130x130 mm - ⊕◇	8
PEW 12565 PQ	125A - 3P + N + ⊕	- 6h ● - flange 130x130 mm - ⊕◇	8
480÷500V ~ - 50 and 60 Hz - black			
PEW 1674 PQ	16A - 3P + ⊕	- 7h ● - flange 65x65 mm - ⊕	10
PEW 1675 PQ	16A - 3P + N + ⊕	- 7h ● - flange 80x80 mm - ⊕	10
PEW 3274 PQ	32A - 3P + ⊕	- 7h ● - flange 80x80 mm - ⊕	10
PEW 3275 PQ	32A - 3P + N + ⊕	- 7h ● - flange 80x80 mm - ⊕	10
PEW 6374 PQ	63A - 3P + ⊕	- 7h ● - flange 100x107 mm - ⊕	4
PEW 6375 PQ	63A - 3P + N + ⊕	- 7h ● - flange 100x107 mm - ⊕	4
PEW 12574 PQ	125A - 3P + ⊕	- 7h ● - flange 130x130 mm - ⊕	4
PEW 12575 PQ	125A - 3P + N + ⊕	- 7h ● - flange 130x130 mm - ⊕	1

◇ The articles with hour position 6h refer to the rated voltage (2P+⊕/220÷250V ~ - 3P+⊕ and 3P+N+⊕/380÷415V ~ -)  
16A and 32A versions with nickel-plated contacts can be supplied on request  
Other executions not listed but within the norm can be supplied on request



**pluso**

plugs and socket-outlets  
for industrial purposes  
low voltage

- in compliance with European standards EN 60309-1 and -2
- body, insert and locking ring in insulating thermoplastic self-extinguishing material
- cable anchoring collar incorporated in the insert
- entry with cable gland
- splashproof types: enclosure colour coded according to the operating voltage
- watertight types: locking ring with gasket
- with Italian Quality Mark

picture

ILME  
part No.

description

packaging



16A-32A

**angled plugs - splashproof IP44 (EN 60529)**

<b>100÷130V ~ - 50 and 60 Hz - yellow</b>			
PE 1643 SA	16A - 2P + ⊕	- 4h ● - Pg 13,5-	1
PE 1644 SA	16A - 3P + ⊕	- 4h ● - Pg 16-	1
PE 1645 SA	16A - 3P + N + ⊕	- 4h ● - Pg 16-	1
PE 3243 SA	32A - 2P + ⊕	- 4h ● - Pg 21-	10
PE 3244 SA	32A - 3P + ⊕	- 4h ● - Pg 21-	10
PE 3245 SA	32A - 3P + N + ⊕	- 4h ● - Pg 21-	10
<b>200÷250V ~ - 50 and 60 Hz - blue</b>			
PE 1663 SA	16A - 2P + ⊕	- 6h ● - Pg 13,5-  ◇	10
PE 1694 SA	16A - 3P + ⊕	- 9h ● - Pg 16-	10
PE 1695 SA	16A - 3P + N + ⊕	- 9h ● - Pg 16-	10
PE 3263 SA	32A - 2P + ⊕	- 6h ● - Pg 21-  ◇	10
PE 3294 SA	32A - 3P + ⊕	- 9h ● - Pg 21-	10
PE 3295 SA	32A - 3P + N + ⊕	- 9h ● - Pg 21-	10
<b>380÷415V ~ - 50 and 60 Hz - red</b>			
PE 1693 SA	16A - 2P + ⊕	- 9h ● - Pg 13,5-	1
PE 1664 SA	16A - 3P + ⊕	- 6h ● - Pg 16-  ◇	10
PE 1665 SA	16A - 3P + N + ⊕	- 6h ● - Pg 16-  ◇	10
PE 3293 SA	32A - 2P + ⊕	- 9h ● - Pg 21-	10
PE 3264 SA	32A - 3P + ⊕	- 6h ● - Pg 21-  ◇	10
PE 3265 SA	32A - 3P + N + ⊕	- 6h ● - Pg 21-  ◇	10
<b>480÷500V ~ - 50 and 60 Hz - nero</b>			
PE 1674 SA	16A - 3P + ⊕	- 7h ● - Pg 16-	10
PE 1675 SA	16A - 3P + N + ⊕	- 7h ● - Pg 16-	10
PE 3274 SA	32A - 3P + ⊕	- 7h ● - Pg 21-	10
PE 3275 SA	32A - 3P + N + ⊕	- 7h ● - Pg 21-	10



16A-32A

**angled plugs - watertight IP67 (EN 60529)**

<b>100÷130V ~ - 50 and 60 Hz - yellow</b>			
PEW 1643 SA	16A - 2P + ⊕	- 4h ● - Pg 13,5-	1
PEW 1644 SA	16A - 3P + ⊕	- 4h ● - Pg 16-	1
PEW 1645 SA	16A - 3P + N + ⊕	- 4h ● - Pg 16-	10
PEW 3243 SA	32A - 2P + ⊕	- 4h ● - Pg 21-	10
PEW 3244 SA	32A - 3P + ⊕	- 4h ● - Pg 21-	10
PEW 3245 SA	32A - 3P + N + ⊕	- 4h ● - Pg 21-	10
<b>200÷250V ~ - 50 and 60 Hz - blue</b>			
PEW 1663 SA	16A - 2P + ⊕	- 6h ● - Pg 13,5-  ◇	10
PEW 1694 SA	16A - 3P + ⊕	- 9h ● - Pg 16-	10
PEW 1695 SA	16A - 3P + N + ⊕	- 9h ● - Pg 16-	10
PEW 3263 SA	32A - 2P + ⊕	- 6h ● - Pg 21-  ◇	10
PEW 3294 SA	32A - 3P + ⊕	- 9h ● - Pg 21-	10
PEW 3295 SA	32A - 3P + N + ⊕	- 9h ● - Pg 21-	10
<b>380÷415V ~ - 50 and 60 Hz - red</b>			
PEW 1693 SA	16A - 2P + ⊕	- 9h ● - Pg 13,5	10
PEW 1664 SA	16A - 3P + ⊕	- 6h ● - Pg 16-  ◇	10
PEW 1665 SA	16A - 3P + N + ⊕	- 6h ● - Pg 16-  ◇	10
PEW 3293 SA	32A - 2P + ⊕	- 9h ● - Pg 21-	10
PEW 3264 SA	32A - 3P + ⊕	- 6h ● - Pg 21-  ◇	10
PEW 3265 SA	32A - 3P + N + ⊕	- 6h ● - Pg 21-  ◇	10
<b>480÷500V ~ - 50 and 60 Hz - black</b>			
PEW 1674 SA	16A - 3P + ⊕	- 7h ● - Pg 16-	10
PEW 1675 SA	16A - 3P + N + ⊕	- 7h ● - Pg 16-	10
PEW 3274 SA	32A - 3P + ⊕	- 7h ● - Pg 21-	10
PEW 3275 SA	32A - 3P + N + ⊕	- 7h ● - Pg 21-	10

◇The articles with hour position 6h refer to the rated voltage (2P+⊕/220÷250V ~ - 3P+⊕ and 3P+N+⊕/380÷415V ~) 16A and 32A versions with nickel-plated contacts can be supplied on request  
Other executions not listed but within the norm can be supplied on request  
**Loose protective cover (accessory for plugs): page 17**

**loose protective cover**

**accessory for plugs IP67 (optional)**

PEW 163 CS	16A - 2P + ⊕		1
PEW 164 CS	16A - 3P + ⊕		1
PEW 165 CS	16A - 3P + N + ⊕		1
PEW 324 CS	32A - 2/3P + ⊕		0
PEW 325 CS	32A - 3P + N + ⊕		0
PEW 63 CS	63A - all polarities		1
PEW 125 CS	125A - all polarities		1



PEW ... CS



**pluso**

plugs and socket-outlets  
for industrial purposes  
low voltage

- in compliance with European standards EN 60309-1 and -2
- body, insert and locking ring in insulating thermoplastic self-extinguishing material
- splashproof types: top entry with threaded grommet (replaceable with cable gland)

- watertight types: locking ring with gasket, top entry with cable gland
- 63A, 125A: with pilot contact
- 63A, 125A: with nickel-plated contacts
- 125A: complete with terminal block for cable connection
- with Italian Quality Mark

PE - PEW - PHW

picture ILME part No. description packaging



16A-32A

wall-mounting plugs - splashproof IP44 (EN 60529)

100÷130V ~ - 50 and 60 Hz - yellow			
PE 1643 SM	16A - 2P + ⊕	- 4h ● - Pg 16 - ⊕	10
PE 1644 SM	16A - 3P + ⊕	- 4h ● - Pg 16 - ⊕	10
PE 1645 SM	16A - 3P + N + ⊕	- 4h ● - Pg 21 - ⊕	10
PE 3243 SM	32A - 2P + ⊕	- 4h ● - Pg 21 - ⊕	10
PE 3244 SM	32A - 3P + ⊕	- 4h ● - Pg 21 - ⊕	10
PE 3245 SM	32A - 3P + N + ⊕	- 4h ● - Pg 21 - ⊕	10
200÷250V ~ - 50 and 60 Hz - blue			
PE 1663 SM	16A - 2P + ⊕	- 6h ● - Pg 16 - ⊕◇	10
PE 1694 SM	16A - 3P + ⊕	- 9h ● - Pg 16 - ⊕	10
PE 1695 SM	16A - 3P + N + ⊕	- 9h ● - Pg 21 - ⊕	10
PE 3263 SM	32A - 2P + ⊕	- 6h ● - Pg 21 - ⊕◇	10
PE 3294 SM	32A - 3P + ⊕	- 9h ● - Pg 21 - ⊕	10
PE 3295 SM	32A - 3P + N + ⊕	- 9h ● - Pg 21 - ⊕	10
380÷415V ~ - 50 and 60 Hz - red			
PE 1693 SM	16A - 2P + ⊕	- 9h ● - Pg 16 - ⊕	10
PE 1664 SM	16A - 3P + ⊕	- 6h ● - Pg 16 - ⊕◇	10
PE 1665 SM	16A - 3P + N + ⊕	- 6h ● - Pg 21 - ⊕◇	10
PE 3293 SM	32A - 2P + ⊕	- 9h ● - Pg 21 - ⊕	10
PE 3264 SM	32A - 3P + ⊕	- 6h ● - Pg 21 - ⊕◇	10
PE 3265 SM	32A - 3P + N + ⊕	- 6h ● - Pg 21 - ⊕◇	10
480÷500V ~ - 50 and 60 Hz - black			
PE 1674 SM	16A - 3P + ⊕	- 7h ● - Pg 16 - ⊕	10
PE 1675 SM	16A - 3P + N + ⊕	- 7h ● - Pg 21 - ⊕	10
PE 3274 SM	32A - 3P + ⊕	- 7h ● - Pg 21 - ⊕	10
PE 3275 SM	32A - 3P + N + ⊕	- 7h ● - Pg 21 - ⊕	10



16A-32A

wall-mounting plugs - watertight IP67 (EN 60529)

100÷130V ~ - 50 and 60 Hz - yellow			
PEW 1643 SM	16A - 2P + ⊕	- 4h ● - Pg 16 - ⊕	10
PEW 1644 SM	16A - 3P + ⊕	- 4h ● - Pg 16 - ⊕	10
PEW 1645 SM	16A - 3P + N + ⊕	- 4h ● - Pg 21 - ⊕	10
PEW 3243 SM	32A - 2P + ⊕	- 4h ● - Pg 21 - ⊕	10
PEW 3244 SM	32A - 3P + ⊕	- 4h ● - Pg 21 - ⊕	10
PEW 3245 SM	32A - 3P + N + ⊕	- 4h ● - Pg 21 - ⊕	10
PEW 6343 SM	63A - 2P + ⊕	- 4h ● - Pg 29 - ⊕	1
PEW 6344 SM	63A - 3P + ⊕	- 4h ● - Pg 29 - ⊕	1
PEW 6345 SM	63A - 3P + N + ⊕	- 4h ● - Pg 29 - ⊕	1
PEW 12544 SM	125A - 3P + ⊕	- 4h ● - Pg 48 - ⊕	1
200÷250V ~ - 50 and 60 Hz - blue			
PEW 1663 SM	16A - 2P + ⊕	- 6h ● - Pg 16 - ⊕◇	10
PEW 1694 SM	16A - 3P + ⊕	- 9h ● - Pg 16 - ⊕	10
PEW 1695 SM	16A - 3P + N + ⊕	- 9h ● - Pg 21 - ⊕	10
PEW 3263 SM	32A - 2P + ⊕	- 6h ● - Pg 21 - ⊕◇	10
PEW 3294 SM	32A - 3P + ⊕	- 9h ● - Pg 21 - ⊕	10
PEW 3295 SM	32A - 3P + N + ⊕	- 9h ● - Pg 21 - ⊕	10
PEW 6363 SM	63A - 2P + ⊕	- 6h ● - Pg 29 - ⊕◇	1
PEW 6394 SM	63A - 3P + ⊕	- 9h ● - Pg 29 - ⊕	1
PEW 6395 SM	63A - 3P + N + ⊕	- 9h ● - Pg 29 - ⊕	1
PEW 12563 SM	125A - 2P + ⊕	- 6h ● - Pg 48 - ⊕	1
PEW 12594 SM	125A - 3P + ⊕	- 9h ● - Pg 48 - ⊕	1
PEW 12595 SM	125A - 3P + N + ⊕	- 9h ● - Pg 48 - ⊕	1
380÷415V ~ - 50 and 60 Hz - red			
PEW 1693 SM	16A - 2P + ⊕	- 9h ● - Pg 16 - ⊕	10
PEW 1664 SM	16A - 3P + ⊕	- 6h ● - Pg 16 - ⊕◇	10
PEW 1665 SM	16A - 3P + N + ⊕	- 6h ● - Pg 21 - ⊕◇	10
PEW 3293 SM	32A - 2P + ⊕	- 9h ● - Pg 21 - ⊕	10
PEW 3264 SM	32A - 3P + ⊕	- 6h ● - Pg 21 - ⊕◇	10
PEW 3265 SM	32A - 3P + N + ⊕	- 6h ● - Pg 21 - ⊕◇	10
PEW 6393 SM	63A - 2P + ⊕	- 9h ● - Pg 29 - ⊕	1
PEW 6364 SM	63A - 3P + ⊕	- 6h ● - Pg 29 - ⊕◇	1
PEW 6365 SM	63A - 3P + N + ⊕	- 6h ● - Pg 29 - ⊕◇	1
PEW 12564 SM	125A - 3P + ⊕	- 6h ● - Pg 48 - ⊕◇	1
PEW 12565 SM	125A - 3P + N + ⊕	- 6h ● - Pg 48 - ⊕◇	1
480÷500V ~ - 50 and 60 Hz - black			
PEW 1674 SM	16A - 3P + ⊕	- 7h ● - Pg 16 - ⊕	10
PEW 1675 SM	16A - 3P + N + ⊕	- 7h ● - Pg 21 - ⊕	10
PEW 3274 SM	32A - 3P + ⊕	- 7h ● - Pg 21 - ⊕	10
PEW 3275 SM	32A - 3P + N + ⊕	- 7h ● - Pg 21 - ⊕	10
PEW 6374 SM	63A - 3P + ⊕	- 7h ● - Pg 29 - ⊕	1
PEW 6375 SM	63A - 3P + N + ⊕	- 7h ● - Pg 29 - ⊕	1
PEW 12574 SM	125A - 3P + ⊕	- 7h ● - Pg 48 - ⊕	1
PEW 12575 SM	125A - 3P + N + ⊕	- 7h ● - Pg 48 - ⊕	1



63A



125A

◇ The articles with hour position 6h refer to the rated voltage (2P+⊕/220÷250V ~ - 3P+⊕ and 3P+N+⊕/380÷415V ~ -) 16A and 32A versions with nickel-plated contacts can be supplied on request  
Other executions not listed but within the norm can be supplied on request  
**Loose protective cover (accessory for plugs): page 17**

For technical data-sheet and further information please look at our technical catalogues on website [www.ilme.com](http://www.ilme.com)

**pluso**plugs and socket-outlets  
for industrial purposes  
low voltage

- in compliance with European standards EN 60309-1 and -2
- body, insert and locking ring in insulating thermoplastic self-extinguishing material
- flange with anti-aging gasket
- splashproof types: plug mouth colour coded according to the operating voltage

- watertight types: locking ring with gasket
- 63A, 125A: with pilot contact
- 63A, 125A: with nickel-plated contacts
- with Italian Quality Mark

picture

ILME  
part No.

description

packaging



16A - 32A

## flush-mounting plugs - splashproof IP44 (EN 60529)

100÷130V ~ - 50 and 60 Hz - yellow			
PE 1643 SI	16A - 2P + ⊕	- 4h ● - flange 65x82 mm- ⊕	10
PE 1644 SI	16A - 3P + ⊕	- 4h ● - flange 65x82 mm- ⊕	10
PE 1645 SI	16A - 3P + N + ⊕	- 4h ● - flange 90x100 mm- ⊕	10
PE 3243 SI	32A - 2P + ⊕	- 4h ● - flange 90x100 mm- ⊕	10
PE 3244 SI	32A - 3P + ⊕	- 4h ● - flange 90x100 mm- ⊕	10
PE 3245 SI	32A - 3P + N + ⊕	- 4h ● - flange 90x100 mm- ⊕	10
200÷250V ~ - 50 and 60 Hz - blue			
PE 1663 SI	16A - 2P + ⊕	- 6h ● - flange 65x82 mm- ⊕◇	10
PE 1694 SI	16A - 3P + ⊕	- 9h ● - flange 65x82 mm- ⊕	10
PE 1695 SI	16A - 3P + N + ⊕	- 9h ● - flange 90x100 mm- ⊕	10
PE 3263 SI	32A - 2P + ⊕	- 6h ● - flange 90x100 mm- ⊕◇	10
PE 3294 SI	32A - 3P + ⊕	- 9h ● - flange 90x100 mm- ⊕	10
PE 3295 SI	32A - 3P + N + ⊕	- 9h ● - flange 90x100 mm- ⊕	10
380÷415V ~ - 50 and 60 Hz - red			
PE 1693 SI	16A - 2P + ⊕	- 9h ● - flange 65x82 mm- ⊕	10
PE 1664 SI	16A - 3P + ⊕	- 6h ● - flange 65x82 mm- ⊕◇	10
PE 1665 SI	16A - 3P + N + ⊕	- 6h ● - flange 90x100 mm- ⊕◇	10
PE 3293 SI	32A - 2P + ⊕	- 9h ● - flange 90x100 mm- ⊕	10
PE 3264 SI	32A - 3P + ⊕	- 6h ● - flange 90x100 mm- ⊕◇	10
PE 3265 SI	32A - 3P + N + ⊕	- 6h ● - flange 90x100 mm- ⊕◇	10
480÷500V ~ - 50 and 60 Hz - black			
PE 1674 SI	16A - 3P + ⊕	- 7h ● - flange 65x82 mm- ⊕	10
PE 1675 SI	16A - 3P + N + ⊕	- 7h ● - flange 90x100 mm- ⊕	10
PE 3274 SI	32A - 3P + ⊕	- 7h ● - flange 90x100 mm- ⊕	10
PE 3275 SI	32A - 3P + N + ⊕	- 7h ● - flange 90x100 mm- ⊕	10

## flush-mounting plugs - watertight IP67 (EN 60529)



16A - 32A

100÷130V ~ - 50 and 60 Hz - yellow			
PEW 1643 SI	16A - 2P + ⊕	- 4h ● - flange 65x82 mm - ⊕	10
PEW 1644 SI	16A - 3P + ⊕	- 4h ● - flange 65x82 mm - ⊕	10
PEW 1645 SI	16A - 3P + N + ⊕	- 4h ● - flange 90x100 mm- ⊕	10
PEW 3243 SI	32A - 2P + ⊕	- 4h ● - flange 90x100 mm- ⊕	10
PEW 3244 SI	32A - 3P + ⊕	- 4h ● - flange 90x100 mm- ⊕	10
PEW 3245 SI	32A - 3P + N + ⊕	- 4h ● - flange 90x100 mm- ⊕	10
PEW 6343 SI	63A - 2P + ⊕	- 4h ● - flange 100x107 mm- ⊕	4
PEW 6344 SI	63A - 3P + ⊕	- 4h ● - flange 100x107 mm- ⊕	4
PEW 6345 SI	63A - 3P + N + ⊕	- 4h ● - flange 100x107 mm- ⊕	4
PEW 12544 SI	125A - 3P + ⊕	- 4h ● - flange 130x130 mm- ⊕	2
200÷250V ~ - 50 and 60 Hz - blue			
PEW 1663 SI	16A - 2P + ⊕	- 6h ● - flange 65x82 mm - ⊕◇	10
PEW 1694 SI	16A - 3P + ⊕	- 9h ● - flange 65x82 mm - ⊕	10
PEW 1695 SI	16A - 3P + N + ⊕	- 9h ● - flange 90x100 mm- ⊕	10
PEW 3263 SI	32A - 2P + ⊕	- 6h ● - flange 90x100 mm- ⊕◇	10
PEW 3294 SI	32A - 3P + ⊕	- 9h ● - flange 90x100 mm- ⊕	10
PEW 3295 SI	32A - 3P + N + ⊕	- 9h ● - flange 90x100 mm- ⊕	10
PEW 6363 SI	63A - 2P + ⊕	- 6h ● - flange 100x107 mm- ⊕◇	4
PEW 6394 SI	63A - 3P + ⊕	- 9h ● - flange 100x107 mm- ⊕	4
PEW 6395 SI	63A - 3P + N + ⊕	- 9h ● - flange 100x107 mm- ⊕	4
PEW 12563 SI	125A - 2P + ⊕	- 6h ● - flange 130x130 mm- ⊕◇	2
PEW 12594 SI	125A - 3P + ⊕	- 9h ● - flange 130x130 mm- ⊕	2
PEW 12595 SI	125A - 3P + N + ⊕	- 9h ● - flange 130x130 mm- ⊕	2
380÷415V ~ - 50 and 60 Hz - red			
PEW 1693 SI	16A - 2P + ⊕	- 9h ● - flange 65x82 mm - ⊕	10
PEW 1664 SI	16A - 3P + ⊕	- 6h ● - flange 65x82 mm - ⊕◇	10
PEW 1665 SI	16A - 3P + N + ⊕	- 6h ● - flange 90x100 mm- ⊕◇	10
PEW 3293 SI	32A - 2P + ⊕	- 9h ● - flange 90x100 mm- ⊕	10
PEW 3264 SI	32A - 3P + ⊕	- 6h ● - flange 90x100 mm- ⊕◇	10
PEW 3265 SI	32A - 3P + N + ⊕	- 6h ● - flange 90x100 mm- ⊕◇	10
PEW 6393 SI	63A - 2P + ⊕	- 9h ● - flange 100x107 mm- ⊕	4
PEW 6364 SI	63A - 3P + ⊕	- 6h ● - flange 100x107 mm- ⊕◇	4
PEW 6365 SI	63A - 3P + N + ⊕	- 6h ● - flange 100x107 mm- ⊕◇	4
PEW 12564 SI	125A - 3P + ⊕	- 6h ● - flange 130x130 mm- ⊕◇	2
PEW 12565 SI	125A - 3P + N + ⊕	- 6h ● - flange 130x130 mm- ⊕◇	2
480÷500V ~ - 50 and 60 Hz - black			
PEW 1674 SI	16A - 3P + ⊕	- 7h ● - flange 65x82 mm - ⊕	10
PEW 1675 SI	16A - 3P + N + ⊕	- 7h ● - flange 90x100 mm- ⊕	10
PEW 3274 SI	32A - 3P + ⊕	- 7h ● - flange 90x100 mm- ⊕	10
PEW 3275 SI	32A - 3P + N + ⊕	- 7h ● - flange 90x100 mm- ⊕	10
PEW 6374 SI	63A - 3P + ⊕	- 7h ● - flange 100x107 mm- ⊕	4
PEW 6375 SI	63A - 3P + N + ⊕	- 7h ● - flange 100x107 mm- ⊕	4
PEW 12574 SI	125A - 3P + ⊕	- 7h ● - flange 130x130 mm- ⊕	2
PEW 12575 SI	125A - 3P + N + ⊕	- 7h ● - flange 130x130 mm- ⊕	2



63A



125A

◇ The articles with hour position 6h refer to the rated voltage (2P+⊕/220÷250V ~ - 3P+⊕ and 3P+N+⊕/380÷415V ~) 16A and 32A versions with nickel-plated contacts can be supplied on request  
Other executions not listed but within the norm can be supplied on request  
**Loose protective cover (accessory for plugs): page 17**

For technical data-sheet and further information please look at our technical catalogues on website [www.ilme.com](http://www.ilme.com)



# pluso - PB

plugs and socket-outlets  
for industrial purposes  
extra low voltage

- in compliance with European standards EN 60309-1 and -2
- body, insert and spring lid in insulating thermoplastic self-extinguishing material
- wall-mounting types: top entry with threaded grommet (replaceable with cable gland)
- mobile plugs and couplers types: cable anchoring collar incorporated in the insert, entry with grommet

picture                      ILME part No.                      description                      packaging



## wall-mounting sockets - splashproof IP44 (EN 60529)

### 16A

PB 16002 PP	2P - ● 20÷25V ~ - 50 and 60 Hz - s.r. - Pg 21	10
PB 16003 PP	3P - ● 20÷25V ~ - 50 and 60 Hz - s.r. - Pg 21	10
PB 16122 PP	2P - ○ 40÷50V ~ - 50 and 60 Hz - 12h - Pg 21	10
PB 16123 PP	3P - ○ 40÷50V ~ - 50 and 60 Hz - 12h - Pg 21	10
PB 16042 PP	2P - ● 20÷25V and 40÷50V ~ - 100÷200 Hz - 4h - Pg 21	10
PB 16043 PP	3P - ● 20÷25V and 40÷50V ~ - 100÷200 Hz - 4h - Pg 21	10
PB 16112 PP	2P - ● 20÷25V and 40÷50V ~ - 400÷500 Hz - 11h - Pg 21	10
PB 16113 PP	3P - ● 20÷25V and 40÷50V ~ - 400÷500 Hz - 11h - Pg 21	10
PB 16102 PP	2P - ○ 20÷25V and 40÷50V = - 10h - Pg 21	10

### 32A

PB 32002 PP	2P - ● 20÷25V ~ - 50 and 60 Hz - s.r. - Pg 21	10
PB 32003 PP	3P - ● 20÷25V ~ - 50 and 60 Hz - s.r. - Pg 21	10
PB 32122 PP	2P - ○ 40÷50V ~ - 50 and 60 Hz - 12h - Pg 21	10
PB 32123 PP	3P - ○ 40÷50V ~ - 50 and 60 Hz - 12h - Pg 21	10
PB 32042 PP	2P - ● 20÷25V and 40÷50V ~ - 100÷200 Hz - 4h - Pg 21	10
PB 32043 PP	3P - ● 20÷25V and 40÷50V ~ - 100÷200 Hz - 4h - Pg 21	10
PB 32112 PP	2P - ● 20÷25V and 40÷50V ~ - 400÷500 Hz - 11h - Pg 21	10
PB 32113 PP	3P - ● 20÷25V and 40÷50V ~ - 400÷500 Hz - 11h - Pg 21	10
PB 32102 PP	2P - ○ 20÷25V and 40÷50V = - 10h - Pg 21	10

## plugs - splashproof IP44 (EN 60529)

### 16A



PB 16002 SV	2P - ● 20÷25V ~ - 50 and 60 Hz - s.r.	20
PB 16003 SV	3P - ● 20÷25V ~ - 50 and 60 Hz - s.r.	10
PB 16122 SV	2P - ○ 40÷50V ~ - 50 and 60 Hz - 12h	10
PB 16123 SV	3P - ○ 40÷50V ~ - 50 and 60 Hz - 12h	10
PB 16042 SV	2P - ● 20÷25V and 40÷50V ~ - 100÷200 Hz - 4h	10
PB 16043 SV	3P - ● 20÷25V and 40÷50V ~ - 100÷200 Hz - 4h	10
PB 16112 SV	2P - ● 20÷25V and 40÷50V ~ - 400÷500 Hz - 11h	10
PB 16113 SV	3P - ● 20÷25V and 40÷50V ~ - 400÷500 Hz - 11h	10
PB 16102 SV	2P - ○ 20÷25V and 40÷50V = - 10h	10

### 32A

PB 32002 SV	2P - ● 20÷25V ~ - 50 and 60 Hz - s.r.	10
PB 32003 SV	3P - ● 20÷25V ~ - 50 and 60 Hz - s.r.	10
PB 32122 SV	2P - ○ 40÷50V ~ - 50 and 60 Hz - 12h	10
PB 32123 SV	3P - ● 40÷50V ~ - 50 e 60 Hz - 12h	10
PB 32042 SV	2P - ● 20÷25V and 40÷50V ~ - 100÷200 Hz - 4h	10
PB 32043 SV	3P - ● 20÷25V and 40÷50V ~ - 100÷200 Hz - 4h	10
PB 32112 SV	2P - ● 20÷25V and 40÷50V ~ - 400÷500 Hz - 11h	10
PB 32113 SV	3P - ○ 20÷25V and 40÷50V ~ - 400÷500 Hz - 11h	10
PB 32102 SV	2P - ○ 20÷25V and 40÷50V = - 10h	10

## couplers - splashproof IP44 (EN 60529)

### 16A



PB 16002 PV	2P - ● 20÷25V ~ - 50 and 60 Hz - s.r.	10
PB 16003 PV	3P - ● 20÷25V ~ - 50 and 60 Hz - s.r.	10
PB 16122 PV	2P - ○ 40÷50V ~ - 50 and 60 Hz - 12h	10
PB 16123 PV	3P - ○ 40÷50V ~ - 50 and 60 Hz - 12h	10
PB 16042 PV	2P - ● 20÷25V and 40÷50V ~ - 100÷200 Hz - 4h	10
PB 16043 PV	3P - ● 20÷25V and 40÷50V ~ - 100÷200 Hz - 4h	10
PB 16112 PV	2P - ● 20÷25V and 40÷50V ~ - 400÷500 Hz - 11h	10
PB 16113 PV	3P - ● 20÷25V and 40÷50V ~ - 400÷500 Hz - 11h	1
PB 16102 PV	2P - ○ 20÷25V and 40÷50V = - 10h	10

### 32A

PB 32002 PV	2P - ● 20÷25V ~ - 50 and 60 Hz - s.r.	10
PB 32003 PV	3P - ● 20÷25V ~ - 50 and 60 Hz - s.r.	10
PB 32122 PV	2P - ○ 40÷50V ~ - 50 and 60 Hz - 12h	10
PB 32123 PV	3P - ○ 40÷50V ~ - 50 and 60 Hz - 12h	10
PB 32042 PV	2P - ● 20÷25V and 40÷50V ~ - 100÷200 Hz - 4h	10
PB 32043 PV	3P - ● 20÷25V and 40÷50V ~ - 100÷200 Hz - 4h	10
PB 32112 PV	2P - ● 20÷25V and 40÷50V ~ - 400÷500 Hz - 11h	10
PB 32113 PV	3P - ● 20÷25V and 40÷50V ~ - 400÷500 Hz - 11h	1
PB 32102 PV	2P - ○ 20÷25V and 40÷50V = - 10h	10

16A and 32A versions with nickel-plated contacts can be supplied on request



**pluso - PB**  
plugs and socket-outlets  
for industrial purposes  
extra low voltage

- in compliance with European standards EN 60309-1 and -2
- enclosure, insert and spring lid in insulating thermoplastic self-extinguishing material
- flush-mounting types: flange with anti-aging gasket
- wall-mounting types: top entry with threaded grommet (replaceable with cable gland)

picture                      ILME                      description                      packaging  
part No.

**flush-mounting sockets - splashproof IP44 (EN 60529)**



**16A - flange 55x55 mm**

<b>PB 16002 PI</b>	2P - ● 20÷25V ~ - 50 and 60 Hz - s.r.	10
<b>PB 16003 PI</b>	3P - ● 20÷25V ~ - 50 and 60 Hz - s.r.	10
<b>PB 16122 PI</b>	2P - ○ 40÷50V ~ - 50 and 60 Hz - 12h	10
<b>PB 16123 PI</b>	3P - ○ 40÷50V ~ - 50 and 60 Hz - 12h	10
<b>PB 16042 PI</b>	2P - ● 20÷25V and 40÷50V ~ - 100÷200 Hz - 4h	10
<b>PB 16043 PI</b>	3P - ● 20÷25V and 40÷50V ~ - 100÷200 Hz - 4h	10
<b>PB 16112 PI</b>	2P - ● 20÷25V and 40÷50V ~ - 400÷500 Hz - 11h	10
<b>PB 16113 PI</b>	3P - ● 20÷25V and 40÷50V ~ - 400÷500 Hz - 11h	10
<b>PB 16102 PI</b>	2P - ○ 20÷25V and e 40÷50V = - 10h - Pg 21	10

**32A - flange 55x55 mm**

<b>PB 32002 PI</b>	2P - ● 20÷25V ~ - 50 and 60 Hz - s.r.	10
<b>PB 32003 PI</b>	3P - ● 20÷25V ~ - 50 and 60 Hz - s.r.	10
<b>PB 32122 PI</b>	2P - ○ 40÷50V ~ - 50 and 60 Hz - 12h	10
<b>PB 32123 PI</b>	3P - ○ 40÷50V ~ - 50 and 60 Hz - 12h	10
<b>PB 32042 PI</b>	2P - ● 20÷25V and 40÷50V ~ - 100÷200 Hz - 4h	10
<b>PB 32043 PI</b>	3P - ● 20÷25V and 40÷50V ~ - 100÷200 Hz - 4h	10
<b>PB 32112 PI</b>	2P - ● 20÷25V and 40÷50V ~ - 400÷500 Hz - 11h	10
<b>PB 32113 PI</b>	3P - ● 20÷25V and 40÷50V ~ - 400÷500 Hz - 11h	10
<b>PB 32102 PI</b>	2P - ○ 20÷25V and 40÷50V = - 10h	10

**wall-mounting plugs - splashproof IP44 (EN 60529)**



**16A**

<b>PB 16002 SM</b>	2P - ● 20÷25V ~ - 50 and 60 Hz - s.r. - Pg 21	10
<b>PB 16003 SM</b>	3P - ● 20÷25V ~ - 50 and 60 Hz - s.r. - Pg 21	10
<b>PB 16122 SM</b>	2P - ○ 40÷50V ~ - 50 and 60 Hz - 12h - Pg 21	10
<b>PB 16123 SM</b>	3P - ○ 40÷50V ~ - 50 and 60 Hz - 12h - Pg 21	10
<b>PB 16042 SM</b>	2P - ● 20÷25V and 40÷50V ~ - 100÷200 Hz - 4h - Pg 21	10
<b>PB 16043 SM</b>	3P - ● 20÷25V and 40÷50V ~ - 100÷200 Hz - 4h - Pg 21	10
<b>PB 16112 SM</b>	2P - ● 20÷25V and 40÷50V ~ - 400÷500 Hz - 11h - Pg 21	10
<b>PB 16113 SM</b>	3P - ● 20÷25V and 40÷50V ~ - 400÷500 Hz - 11h - Pg 21	10
<b>PB 16102 SM</b>	2P - ○ 20÷25V and 40÷50V = - 10h - Pg 21	10

**32A**

<b>PB 32002 SM</b>	2P - ● 20÷25V ~ - 50 and 60 Hz - s.r. - Pg 21	10
<b>PB 32003 SM</b>	3P - ● 20÷25V ~ - 50 and 60 Hz - s.r. - Pg 21	10
<b>PB 32122 SM</b>	2P - ○ 40÷50V ~ - 50 and 60 Hz - 12h - Pg 21	10
<b>PB 32123 SM</b>	3P - ○ 40÷50V ~ - 50 and 60 Hz - 12h - Pg 21	10
<b>PB 32042 SM</b>	2P - ● 20÷25V and 40÷50V ~ - 100÷200 Hz - 4h - Pg 21	10
<b>PB 32043 SM</b>	3P - ● 20÷25V and 40÷50V ~ - 100÷200 Hz - 4h - Pg 21	10
<b>PB 32112 SM</b>	2P - ● 20÷25V and 40÷50V ~ - 400÷500 Hz - 11h - Pg 21	10
<b>PB 32113 SM</b>	3P - ● 20÷25V and 40÷50V ~ - 400÷500 Hz - 11h - Pg 21	10
<b>PB 32102 SM</b>	2P - ○ 20÷25V and 40÷50V = - 10h - Pg 21	10

16A and 32A versions with nickel-plated contacts can be supplied on request



# pluso - SIP

plugs  
for industrial purposes  
low voltage

- in compliance with European standards EN 60309-1 and -2
- enclosure and insert in insulating thermoplastic self-extinguishing material
- nickel plated contacts on request
- incorporated device for phase inversion that can be regulated using a simple screwdriver

picture	ILME part No.	description	packaging
---------	---------------	-------------	-----------



NEW

plugs with phase inverters  
splashproof IP44 (EN 60529)

200/346 ÷ 240/415V ~ - 50 and 60 Hz - red

SIP 1665 SV	16A - 3P+N+⊕ - 6h ● - entry with cable gland	10
SIP 3265 SV	32A - 3P+N+⊕ - 6h ● - entry with cable gland	10

16A-32A



16A-32A

wall-mounting plugs with phase inverters  
splashproof IP44 (EN 60529)

200/346 ÷ 240/415V ~ - 50 and 60 Hz - red

SIP 1665 SM	16A - 3P+N+⊕ - 6h ● - Pg 16 - entry with grommet	10
SIP 3265 SM	32A - 3P+N+⊕ - 6h ● - Pg 21 - entry with grommet	10



16A-32A

flush-mounting plugs with phase inverters  
splashproof IP44 (EN 60529)

200/346 ÷ 240/415V ~ - 50 and 60 Hz - red

SIP 1665 SI	16A - 3P+N+⊕ - 6h ● - 6h	10
SIP 3265 SI	32A - 3P+N+⊕ - 6h ● - 6h	10



NEW

16A-32A

plugs with phase inverters  
watertight IP67 (EN 60529)

200/346 ÷ 240/415V ~ - 50 and 60 Hz - red

SIPW 1665 SV	16A - 3P+N+⊕ - 6h ● - Pg 21 - entry with cable gland	10
SIPW 3265 SV	32A - 3P+N+⊕ - 6h ● - Pg 21 - entry with cable gland	10



16A-32A

wall-mounting plugs with phase inverters  
watertight IP67 (EN 60529)

200/346 ÷ 240/415V ~ - 50 and 60 Hz - red

SIPW 1665 SM	16A - 3P+N+⊕ - 6h ● - Pg 21 - entry with cable gland	10
SIPW 3265 SM	32A - 3P+N+⊕ - 6h ● - Pg 21 - entry with cable gland	10



16A-32A

flush-mounting plugs with phase inverters  
watertight IP67 (EN 60529)

200/346 ÷ 240/415V ~ - 50 and 60 Hz - red

SIPW 1665 SI	16A - 3P+N+⊕ - 6h ●	10
SIPW 3265 SI	32A - 3P+N+⊕ - 6h ●	10

Loose protective cover (accessory for plugs): page 19



SIP plugs incorporate a mechanical device that exchanges the position of the pins of phases L2 and L3 (phase inverter); this enables the phase cycles to be adapted to the required direction of rotation of three-phase motors.

The device can be regulated on the contact side using a screwdriver without having to disassemble the plug

# Interlocked switched socket-outlets

SQV IP44 and IP55 series  
for box mounting



Cost - effective

TM series IP66/IP67



Best quality-price  
balance

the standard

PK/KI series IP44 and IP55



BK series IP66/IP67







TM  
overview of the interlocked switched socket-outlets

TM...K.. = 32A socket-outlets with fixing base dimensions 255 x 114 mm  
\* TM...IT/SIT = 16A socket only

wall mounting  
(with single box)

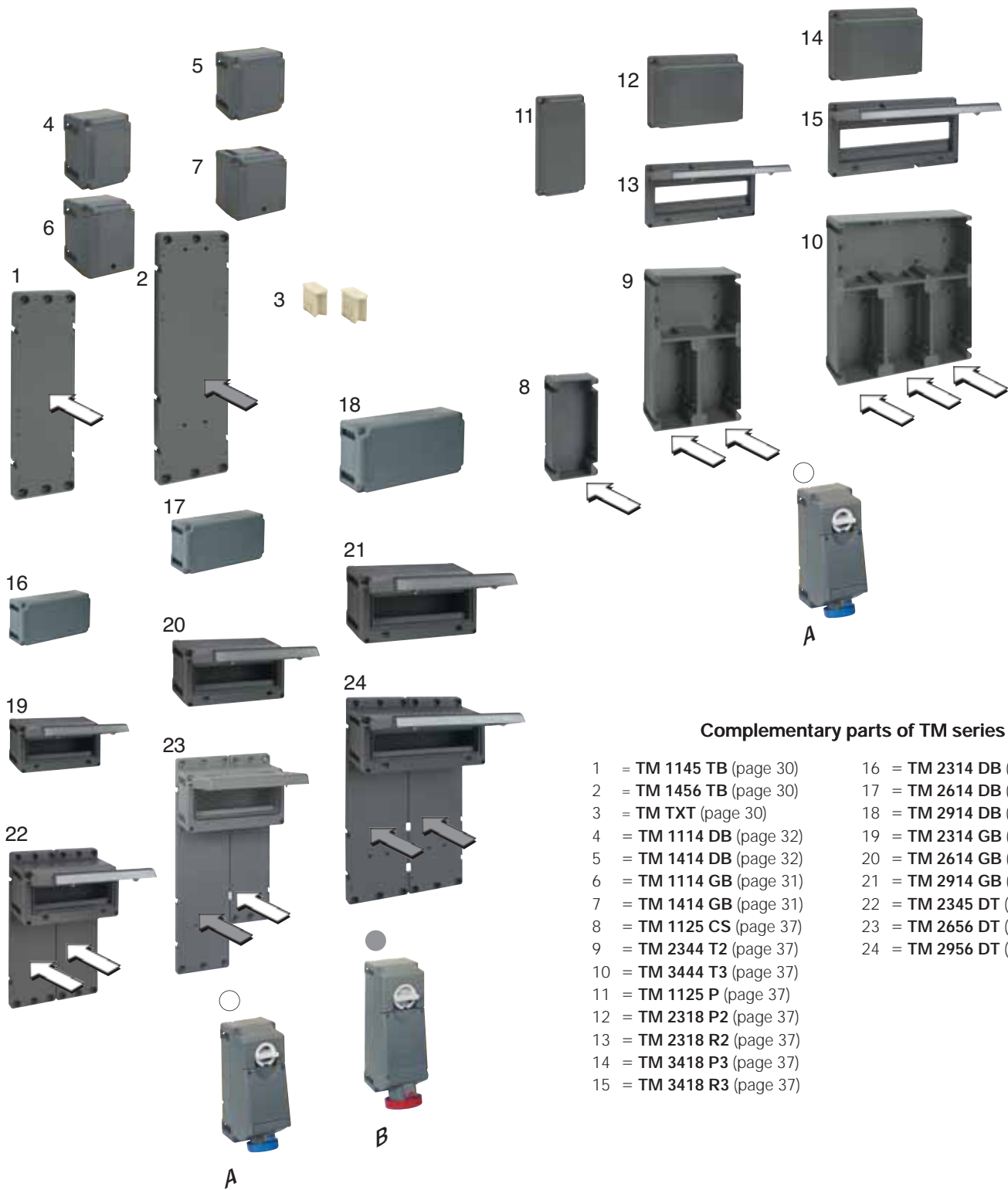


to be mounted in single  
or multiple boxes





# TM overview of the interlocked switched socket-outlets and accessories for set mounting



### Complementary parts of TM series

- |                           |                           |
|---------------------------|---------------------------|
| 1 = TM 1145 TB (page 30)  | 16 = TM 2314 DB (page 32) |
| 2 = TM 1456 TB (page 30)  | 17 = TM 2614 DB (page 32) |
| 3 = TM TXT (page 30)      | 18 = TM 2914 DB (page 32) |
| 4 = TM 1114 DB (page 32)  | 19 = TM 2314 GB (page 31) |
| 5 = TM 1414 DB (page 32)  | 20 = TM 2614 GB (page 31) |
| 6 = TM 1114 GB (page 31)  | 21 = TM 2914 GB (page 31) |
| 7 = TM 1414 GB (page 31)  | 22 = TM 2345 DT (page 30) |
| 8 = TM 1125 CS (page 37)  | 23 = TM 2656 DT (page 30) |
| 9 = TM 2344 T2 (page 37)  | 24 = TM 2956 DT (page 30) |
| 10 = TM 3444 T3 (page 37) |                           |
| 11 = TM 1125 P (page 37)  |                           |
| 12 = TM 2318 P2 (page 37) |                           |
| 13 = TM 2318 R2 (page 37) |                           |
| 14 = TM 3418 P3 (page 37) |                           |
| 15 = TM 3418 R3 (page 37) |                           |

### Legend

The above overview shows the matching possibilities among socket-outlets, supports and boxes in order to obtain distribution boards. The coloured point near the socket-outlets indicates their format and the arrows (of the same colour) indicate the mounting possibilities.

- A** = socket-outlets with fixing base dimensions 255 x 114 mm  
**B** = socket-outlets with fixing base dimensions 370 x 144 mm



# TM socket-outlets for industrial purposes low voltage

- in compliance with standards EN 60309-1, -2 and -4
- enclosures in insulating thermoplastic self-extinguishing material MIL.BOX® moulded with BC-MUL® technique, colour grey RAL 7012
- cable entry: to be pierced in the marked position
- with bayonet jointed lid
- padlockable handle, both in O and I position
- 63A: with pilot contact

- double mechanical interlock that prevents from: switching "ON" the switch when the plug is not inserted, withdrawing the plug when the switch is turned to "ON" position
- mechanical resistance to impacts: 20 J (IK 10 according to EN 62262)
- the switch cannot be switched ON until the fuse carriers' cover has been closed
- with Italian Quality Mark

drawing      ILME part No.      description      packaging

## interlocked switched socket-outlets with screw-type fuse carriers insulating enclosure

fuse links not included  
degree of protection IP66/IP67 (EN 60529) - the sockets are supplied not pierced, therefore their degree of protection will change according to the connecting adapter mounted on the boxes.

### 100÷130V ~ - 50 and 60 Hz - yellow

TM 1643 IT	16A - 2P + ⊕ - 4h ● - fuse carriers E16 - ⊕	9
TM 1644 IT	16A - 3P + ⊕ - 4h ● - fuse carriers E16 - ⊕	9
TM 1645 IT	16A - 3P + N + ⊕ - 4h ● - fuse carriers E16 - ⊕	1
TM 3243 IT	32A - 2P + ⊕ - 4h ● - fuse carriers E33 - DIII - ⊕	1
TM 3244 IT	32A - 3P + ⊕ - 4h ● - fuse carriers E33 - DIII - ⊕	4
TM 3245 IT	32A - 3P + N + ⊕ - 4h ● - fuse carriers E33 - DIII - ⊕	1
TM 6343 IT	63A - 2P + ⊕ - 4h ● - fuse carriers E33 - DIII - ⊕	1
TM 6344 IT	63A - 3P + ⊕ - 4h ● - fuse carriers E33 - DIII - ⊕	1
TM 6345 IT	63A - 3P + N + ⊕ - 4h ● - fuse carriers E33 - DIII - ⊕	1

### 200÷250V ~ - 50 and 60 Hz - blue

TM 1663 IT	16A - 2P + ⊕ - 6h ● - fuse carriers E16 - ⊕◇	9
TM 1694 IT	16A - 3P + ⊕ - 9h ● - fuse carriers E16 - ⊕	9
TM 1695 IT	16A - 3P + N + ⊕ - 9h ● - fuse carriers E16 - ⊕	1
TM 3263 IT	32A - 2P + ⊕ - 6h ● - fuse carriers E33 - DIII - ⊕◇	4
TM 3294 IT	32A - 3P + ⊕ - 9h ● - fuse carriers E33 - DIII - ⊕	1
TM 3295 IT	32A - 3P + N + ⊕ - 9h ● - fuse carriers E33 - DIII - ⊕	1
TM 6363 IT	63A - 2P + ⊕ - 6h ● - fuse carriers E33 - DIII - ⊕◇	1
TM 6394 IT	63A - 3P + ⊕ - 9h ● - fuse carriers E33 - DIII - ⊕	1
TM 6395 IT	63A - 3P + N + ⊕ - 9h ● - fuse carriers E33 - DIII - ⊕	1

### 380÷415V ~ - 50 and 60 Hz - red

TM 1693 IT	16A - 2P + ⊕ - 9h ● - fuse carriers E16 - ⊕	9
TM 1664 IT	16A - 3P + ⊕ - 6h ● - fuse carriers E16 - ⊕◇	9
TM 1665 IT	16A - 3P + N + ⊕ - 6h ● - fuse carriers E16 - ⊕◇	9
TM 3293 IT	32A - 2P + ⊕ - 9h ● - fuse carriers E33 - DIII - ⊕	1
TM 3264 IT	32A - 3P + ⊕ - 6h ● - fuse carriers E33 - DIII - ⊕◇	4
TM 3265 IT	32A - 3P + N + ⊕ - 6h ● - fuse carriers E33 - DIII - ⊕◇	4
TM 6393 IT	63A - 2P + ⊕ - 9h ● - fuse carriers E33 - DIII - ⊕	1
TM 6364 IT	63A - 3P + ⊕ - 6h ● - fuse carriers E33 - DIII - ⊕◇	1
TM 6365 IT	63A - 3P + N + ⊕ - 6h ● - fuse carriers E33 - DIII - ⊕◇	1

### 480÷500V ~ - 50 and 60 Hz - black

TM 1674 IT	16A - 3P + ⊕ - 7h ● - fuse carriers E16 - ⊕	1
TM 1675 IT	16A - 3P + N + ⊕ - 7h ● - fuse carriers E16 - ⊕	1
TM 3274 IT	32A - 3P + ⊕ - 7h ● - fuse carriers E33 - DIII - ⊕	1
TM 3275 IT	32A - 3P + N + ⊕ - 7h ● - fuse carriers E33 - DIII - ⊕	1
TM 6374 IT	63A - 3P + ⊕ - 7h ● - fuse carriers E33 - DIII - ⊕	1
TM 6375 IT	63A - 3P + N + ⊕ - 7h ● - fuse carriers E33 - DIII - ⊕	1

◇ The articles with hour position 6h refer to the rated voltage (2P+⊕/220÷250V ~ - 3P+⊕ and 3P+N+⊕/380÷415V ~)



16A



32A-63A

## spare switches

or TM...IT sockets

PKR 432	4 x 32A - for 16A and 25A sockets - 3/4/5 poles	1
PKR 480	4 x 80A - for 32A/63A sockets - 3/4/5 poles	1



**By end 2010 available with sectionable fuse carrier only.  
See page 27**

NEW

## socket-outlets with safety transformer - 144 VA continuous service

for class III lighting apparatus  
in compliance with standard EN 60742 (class. CEI 96-2)  
degree of protection IP66/IP67 (EN 60529) - the sockets are supplied not pierced, therefore their degree of protection will change according to the connecting adapter mounted on the boxes.  
with bayonet jointed lid  
primary switched by plug insertion

### self-protected toroidal transformer with automatic re-start according to EN 60742 - 144 VA continuous service

TM 16220 T1	16A - 2P ● - 24V~ - 50 and 60 Hz - transf. 230/24V	2
TM 16380 T1	16A - 2P ● - 24V~ - 50 and 60 Hz - transf. 400/24V	2



16A



# TM socket-outlets for industrial purposes low voltage

- in compliance with standards EN 60309-1, -2 and -4
- enclosures in insulating thermoplastic self-extinguishing material MIL.BOX<sup>®</sup> moulded with BC-MUL<sup>®</sup> technique, colour grey RAL 7012
- cable entry: to be pierced in the marked position
- with bayonet jointed lid
- padlockable handle, both in O and I position
- 63A: with pilot contact

- double mechanical interlock that prevents from: switching "ON" the switch when the plug is not inserted, withdrawing the plug when the switch is turned to "ON" position
- mechanical resistance to impacts: 20 J (IK 10 according to EN 62262)
- the switch cannot be switched ON until the fuse carriers' cover has been closed
- with Italian Quality Mark

drawing

ILME part No.

description

packaging

## interlocked switched socket-outlets with sectionable fuse carriers insulating enclosure

fuse links not included  
degree of protection IP66/IP67 (EN 60529) - the sockets are supplied not pierced, therefore their degree of protection will change according to the connecting adapter mounted on the boxes.

### 100÷130V ~ - 50 and 60 Hz - yellow

TM 1643 IS	16A - 2P + ⊕ - 4h ● - fuse carriers	10 x 38 mm - ⊕	1
TM 1644 IS	16A - 3P + ⊕ - 4h ● - fuse carriers	10 x 38 mm - ⊕	1
TM 1645 IS	16A - 3P + N + ⊕ - 4h ● - fuse carriers	10 x 38 mm - ⊕	1
TM 3243KIS	32A - 2P + ⊕ - 4h ● - fuse carriers	10 x 38 mm - ⊕ - compact (32K)	1
TM 3244KIS	32A - 3P + ⊕ - 4h ● - fuse carriers	10 x 38 mm - ⊕ - compact (32K)	1
TM 3245KIS	32A - 3P + N + ⊕ - 4h ● - fuse carriers	10 x 38 mm - ⊕ - compact (32K)	1
TM 3243 IS	32A - 2P + ⊕ - 4h ● - fuse carriers	14 x 51 mm - ⊕	1
TM 3244 IS	32A - 3P + ⊕ - 4h ● - fuse carriers	14 x 51 mm - ⊕	1
TM 3245 IS	32A - 3P + N + ⊕ - 4h ● - fuse carriers	14 x 51 mm - ⊕	1
TM 6343 IS	63A - 2P + ⊕ - 4h ● - fuse carriers	22 x 58 mm - ⊕	1
TM 6344 IS	63A - 3P + ⊕ - 4h ● - fuse carriers	22 x 58 mm - ⊕	1
TM 6345 IS	63A - 3P + N + ⊕ - 4h ● - fuse carriers	22 x 58 mm - ⊕	1



16A-32K

### 200÷250V ~ - 50 and 60 Hz - blue

TM 1663 IS	16A - 2P + ⊕ - 6h ● - fuse carriers	10 x 38 mm - ⊕◇	9
TM 1694 IS	16A - 3P + ⊕ - 9h ● - fuse carriers	10 x 38 mm - ⊕	9
TM 1695 IS	16A - 3P + N + ⊕ - 9h ● - fuse carriers	10 x 38 mm - ⊕	9
TM 3263KIS	32A - 2P + ⊕ - 6h ● - fuse carriers	10 x 38 mm - ⊕◇ - compact (32K)	1
TM 3294KIS	32A - 3P + ⊕ - 9h ● - fuse carriers	10 x 38 mm - ⊕ - compact (32K)	1
TM 3295KIS	32A - 3P + N + ⊕ - 9h ● - fuse carriers	10 x 38 mm - ⊕ - compact (32K)	1
TM 3263 IS	32A - 2P + ⊕ - 6h ● - fuse carriers	14 x 51 mm - ⊕◇	4
TM 3294 IS	32A - 3P + ⊕ - 9h ● - fuse carriers	14 x 51 mm - ⊕	4
TM 3295 IS	32A - 3P + N + ⊕ - 9h ● - fuse carriers	14 x 51 mm - ⊕	1
TM 6363 IS	63A - 2P + ⊕ - 6h ● - fuse carriers	22 x 58 mm - ⊕◇	1
TM 6394 IS	63A - 3P + ⊕ - 9h ● - fuse carriers	22 x 58 mm - ⊕	1
TM 6395 IS	63A - 3P + N + ⊕ - 9h ● - fuse carriers	22 x 58 mm - ⊕	1



32A-63A

### 380÷415V ~ - 50 and 60 Hz - red

TM 1693 IS	16A - 2P + ⊕ - 9h ● - fuse carriers	10 x 38 mm - ⊕	1
TM 1664 IS	16A - 3P + ⊕ - 6h ● - fuse carriers	10 x 38 mm - ⊕◇	9
TM 1665 IS	16A - 3P + N + ⊕ - 6h ● - fuse carriers	10 x 38 mm - ⊕◇	9
TM 3293KIS	32A - 2P + ⊕ - 9h ● - fuse carriers	10 x 38 mm - ⊕ - compact (32K)	1
TM 3264KIS	32A - 3P + ⊕ - 6h ● - fuse carriers	10 x 38 mm - ⊕◇ - compact (32K)	9
TM 3265KIS	32A - 3P + N + ⊕ - 6h ● - fuse carriers	10 x 38 mm - ⊕◇ - compact (32K)	9
TM 3293 IS	32A - 2P + ⊕ - 9h ● - fuse carriers	14 x 51 mm - ⊕	1
TM 3264 IS	32A - 3P + ⊕ - 6h ● - fuse carriers	14 x 51 mm - ⊕◇	4
TM 3265 IS	32A - 3P + N + ⊕ - 6h ● - fuse carriers	14 x 51 mm - ⊕◇	4
TM 6393 IS	63A - 2P + ⊕ - 9h ● - fuse carriers	22 x 58 mm - ⊕	1
TM 6364 IS	63A - 3P + ⊕ - 6h ● - fuse carriers	22 x 58 mm - ⊕◇	1
TM 6365 IS	63A - 3P + N + ⊕ - 6h ● - fuse carriers	22 x 58 mm - ⊕◇	1

### 480÷500V ~ - 50 and 60 Hz - black

TM 1674 IS	16A - 3P + ⊕ - 7h ● - fuse carriers	10 x 38 mm - ⊕	1
TM 1675 IS	16A - 3P + N + ⊕ - 7h ● - fuse carriers	10 x 38 mm - ⊕	1
TM 3274 IS	32A - 3P + ⊕ - 7h ● - fuse carriers	14 x 51 mm - ⊕	1
TM 3275 IS	32A - 3P + N + ⊕ - 7h ● - fuse carriers	14 x 51 mm - ⊕	1
TM 6374 IS	63A - 3P + ⊕ - 7h ● - fuse carriers	22 x 58 mm - ⊕	1
TM 6375 IS	63A - 3P + N + ⊕ - 7h ● - fuse carriers	22 x 58 mm - ⊕	1

◇ The articles with hour position 6h refer to the rated voltage (2P+⊕/220÷250V ~ - 3P+⊕ and 3P+N+⊕/380÷415V ~)

## spare switches

for TM...IS/KIS sockets

PKR 432	4 x 32A - for 16A and 32A (K version) sockets - 3/4/5 poles	1
PKR 480	4 x 80A - for 32A/63A sockets - 3/4/5 poles	1



### Assembled modular bases

TM 2345 DT \* (page 30)    TM 2656 DT (page 30)    TM 2956 DT \*\* (page 30)

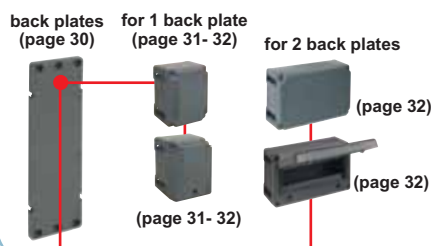


\*for TM 16A-32K

\*\*

\*\* for TM 32A-TM63A

### Accessories for set mounting



### Accessories for board mounting

QP V - QG V



(page 78)



# TM socket-outlets for industrial purposes low voltage

- in compliance with standards EN 60309-1, -2 and -4
- enclosures in insulating thermoplastic self-extinguishing material MIL.BOX® moulded with BC-MUL® technique, colour grey RAL 7012
- cable entry: to be pierced in the marked position
- with bayonet jointed lid
- padlockable handle, both in O and I position
- 63A: with pilot contact
- with Italian Quality Mark

- double mechanical interlock that prevents from: switching "ON" the switch when the plug is not inserted, withdrawing the plug when the switch is turned to "ON" position
- mechanical resistance to impacts: 20 J (IK 10 according to EN 62262)
- the switch cannot be switched ON until the cover of the room for modular equipments has been closed

drawing

ILME part No.

description

packaging

## interlocked switched socket-outlets with room for modular equipments insulating enclosure

degree of protection IP66/IP67 (EN 60529) - the sockets are supplied not pierced, therefore their degree of protection will change according to the connecting adapter mounted on the boxes.

### 100÷130V ~ - 50 and 60 Hz - yellow

TM 1643 IR	16A - 2P + ⊕	- 4h	● - rail for 4.5 modules -	9
TM 1644 IR	16A - 3P + ⊕	- 4h	● - rail for 4.5 modules -	1
TM 1645 IR	16A - 3P + N + ⊕	- 4h	● - rail for 4.5 modules -	1
TM 3243KIR	32A - 2P + ⊕	- 4h	● - rail for 4.5 modules -  - compact (32K)	9
TM 3244KIR	32A - 3P + ⊕	- 4h	● - rail for 4.5 modules -  - compact (32K)	1
TM 3245KIR	32A - 3P + N + ⊕	- 4h	● - rail for 4.5 modules -  - compact (32K)	1
TM 3243 IR	32A - 2P + ⊕	- 4h	● - rail for 6 modules -	4
TM 3244 IR	32A - 3P + ⊕	- 4h	● - rail for 6 modules -	1
TM 3245 IR	32A - 3P + N + ⊕	- 4h	● - rail for 6 modules -	1
TM 6343 IR	63A - 2P + ⊕	- 4h	● - rail for 6 modules -	1
TM 6344 IR	63A - 3P + ⊕	- 4h	● - rail for 6 modules -	1
TM 6345 IR	63A - 3P + N + ⊕	- 4h	● - rail for 6 modules -	1

### 200÷250V ~ - 50 and 60 Hz - blue

TM 1663 IR	16A - 2P + ⊕	- 6h	● - rail for 4.5 modules -  ◇	9
TM 1694 IR	16A - 3P + ⊕	- 9h	● - rail for 4.5 modules -	1
TM 1695 IR	16A - 3P + N + ⊕	- 9h	● - rail for 4.5 modules -	9
TM 3263KIR	32A - 2P + ⊕	- 6h	● - rail for 4.5 modules -  ◇ - compact (32K)	9
TM 3294KIR	32A - 3P + ⊕	- 9h	● - rail for 4.5 modules -  - compact (32K)	9
TM 3295KIR	32A - 3P + N + ⊕	- 9h	● - rail for 4.5 modules -  - compact (32K)	1
TM 3263 IR	32A - 2P + ⊕	- 6h	● - rail for 6 modules -  ◇	4
TM 3294 IR	32A - 3P + ⊕	- 9h	● - rail for 6 modules -	1
TM 3295 IR	32A - 3P + N + ⊕	- 9h	● - rail for 6 modules -	4
TM 6363 IR	63A - 2P + ⊕	- 6h	● - rail for 6 modules -  ◇	1
TM 6394 IR	63A - 3P + ⊕	- 9h	● - rail for 6 modules -	1
TM 6395 IR	63A - 3P + N + ⊕	- 9h	● - rail for 6 modules -	1

### 380÷415V ~ - 50 and 60 Hz - red

TM 1693 IR	16A - 2P + ⊕	- 9h	● - rail for 4.5 modules -	1
TM 1664 IR	16A - 3P + ⊕	- 6h	● - rail for 4.5 modules -  ◇	9
TM 1665 IR	16A - 3P + N + ⊕	- 6h	● - rail for 4.5 modules -  ◇	9
TM 3293KIR	32A - 2P + ⊕	- 9h	● - rail for 4.5 modules -  - compact (32K)	1
TM 3264KIR	32A - 3P + ⊕	- 6h	● - rail for 4.5 modules -  ◇ - compact (32K)	9
TM 3265KIR	32A - 3P + N + ⊕	- 6h	● - rail for 4.5 modules -  ◇ - compact (32K)	9
TM 3293 IR	32A - 2P + ⊕	- 9h	● - rail for 6 modules -	1
TM 3264 IR	32A - 3P + ⊕	- 6h	● - rail for 6 modules -  ◇	4
TM 3265 IR	32A - 3P + N + ⊕	- 6h	● - rail for 6 modules -  ◇	4
TM 6393 IR	63A - 2P + ⊕	- 9h	● - rail for 6 modules -	1
TM 6364 IR	63A - 3P + ⊕	- 6h	● - rail for 6 modules -  ◇	1
TM 6365 IR	63A - 3P + N + ⊕	- 6h	● - rail for 6 modules -  ◇	1

### 480÷500V ~ - 50 and 60 Hz - black

TM 1674 IR	16A - 3P + ⊕	- 7h	● - rail for 4.5 modules -	1
TM 1675 IR	16A - 3P + N + ⊕	- 7h	● - rail for 4.5 modules -	1
TM 3274KIR	32A - 3P + ⊕	- 7h	● - rail for 4.5 modules -  - compact (32K)	1
TM 3275KIR	32A - 3P + N + ⊕	- 7h	● - rail for 4.5 modules -  - compact (32K)	1
TM 3274 IR	32A - 3P + ⊕	- 7h	● - rail for 6 modules -	4
TM 3275 IR	32A - 3P + N + ⊕	- 7h	● - rail for 6 modules -	4
TM 6374 IR	63A - 3P + ⊕	- 7h	● - rail for 6 modules -	1
TM 6375 IR	63A - 3P + N + ⊕	- 7h	● - rail for 6 modules -	1

◇ The articles with hour position 6h refer to the rated voltage (2P+⊕/220÷250V ~ - 3P+⊕ and 3P+N+⊕/380÷415V ~)



16A-32K



32A-63A



## spare switches

for TM...IR/KIR sockets

PKR 432	4 x 32A - for 16A and 32A (K version) sockets - 3/4/5 poles	1
PKR 480	4 x 80A - for 32A/63A sockets - 3/4/5 poles	1

### Assembled modular bases

TM 2345 DT \* (page 30)



\*for TM 16A-32K

TM 2656 DT (page 30)



\*\*

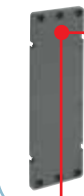
TM 2956 DT \*\* (page 30)



\*\* for TM 32A-TM63A

### Accessories for set mounting

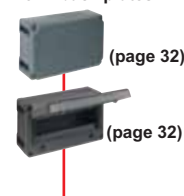
back plates (page 30)



for 1 back plate (page 31- 32)



for 2 back plates



### Accessories for board mounting

QP V - QG V



(page 78)



# TM socket-outlets for industrial purposes low voltage

- in compliance with standards EN 60309-1, -2 and -4
- enclosures in insulating thermoplastic self-extinguishing material MIL.BOX® moulded with BC-MUL® technique, colour grey RAL 7012
- cable entry: to be pierced in the marked position
- with bayonet jointed lid
- padlockable handle, both in O and I position
- 63A: with pilot contact
- double mechanical interlock that prevents from: switching "ON" the switch when the plug is not inserted, withdrawing the plug when the switch is turned to "ON" position
- mechanical resistance to impacts: 20 J (IK 10 according to EN 62262)
- with Italian Quality Mark

drawing	ILME part No.	description	packaging
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## interlocked switched socket-outlets (without fuse carriers) insulating enclosure

degree of protection IP66/IP67 (EN 60529) - the sockets are supplied not pierced, therefore their degree of protection will change according to the connecting adapter mounted on the boxes

### 100÷130V ~ - 50 and 60 Hz - yellow

TM 1643 SP	16A - 2P + ⊕	- 4h ● - ⊕	9
TM 1644 SP	16A - 3P + ⊕	- 4h ● - ⊕	1
TM 1645 SP	16A - 3P + N + ⊕	- 4h ● - ⊕	1
TM 3243KSP	32A - 2P + ⊕	- 4h ● - ⊕ - compact (32K)	9
TM 3244KSP	32A - 3P + ⊕	- 4h ● - ⊕ - compact (32K)	1
TM 3245KSP	32A - 3P + N + ⊕	- 4h ● - ⊕ - compact (32K)	1
TM 3243 SP	32A - 2P + ⊕	- 4h ● - ⊕	1
TM 3244 SP	32A - 3P + ⊕	- 4h ● - ⊕	4
TM 3245 SP	32A - 3P + N + ⊕	- 4h ● - ⊕	4
TM 6343 SP	63A - 2P + ⊕	- 4h ● - ⊕	1
TM 6344 SP	63A - 3P + ⊕	- 4h ● - ⊕	1
TM 6345 SP	63A - 3P + N + ⊕	- 4h ● - ⊕	1

### 200÷250V ~ - 50 and 60 Hz - blue

TM 1663 SP	16A - 2P + ⊕	- 6h ● - ⊕◇	9
TM 1694 SP	16A - 3P + ⊕	- 9h ● - ⊕	9
TM 1695 SP	16A - 3P + N + ⊕	- 9h ● - ⊕	9
TM 3263KSP	32A - 2P + ⊕	- 6h ● - ⊕◇ - compact (32K)	9
TM 3294KSP	32A - 3P + ⊕	- 9h ● - ⊕ - compact (32K)	1
TM 3295KSP	32A - 3P + N + ⊕	- 9h ● - ⊕ - compact (32K)	1
TM 3263 SP	32A - 2P + ⊕	- 6h ● - ⊕◇	4
TM 3294 SP	32A - 3P + ⊕	- 9h ● - ⊕	1
TM 3295 SP	32A - 3P + N + ⊕	- 9h ● - ⊕	1
TM 6363 SP	63A - 2P + ⊕	- 6h ● - ⊕◇	1
TM 6394 SP	63A - 3P + ⊕	- 9h ● - ⊕	1
TM 6395 SP	63A - 3P + N + ⊕	- 9h ● - ⊕	1

### 380÷415V ~ - 50 and 60 Hz - red

TM 1693 SP	16A - 2P + ⊕	- 9h ● - ⊕	9
TM 1664 SP	16A - 3P + ⊕	- 6h ● - ⊕◇	9
TM 1665 SP	16A - 3P + N + ⊕	- 6h ● - ⊕◇	9
TM 3293KSP	32A - 2P + ⊕	- 9h ● - ⊕ - compact (32K)	1
TM 3264KSP	32A - 3P + ⊕	- 6h ● - ⊕◇ - compact (32K)	1
TM 3265KSP	32A - 3P + N + ⊕	- 6h ● - ⊕◇ - compact (32K)	9
TM 3293 SP	32A - 2P + ⊕	- 9h ● - ⊕	9
TM 3264 SP	32A - 3P + ⊕	- 6h ● - ⊕◇	1
TM 3265 SP	32A - 3P + N + ⊕	- 6h ● - ⊕◇	1
TM 6393 SP	63A - 2P + ⊕	- 9h ● - ⊕	1
TM 6364 SP	63A - 3P + ⊕	- 6h ● - ⊕◇	4
TM 6365 SP	63A - 3P + N + ⊕	- 6h ● - ⊕◇	4

### 480÷500V ~ - 50 and 60 Hz - black

TM 1674 SP	16A - 3P + ⊕	- 7h ● - ⊕	1
TM 1675 SP	16A - 3P + N + ⊕	- 7h ● - ⊕	1
TM 3274KSP	32A - 3P + ⊕	- 7h ● - ⊕ - compact (32K)	9
TM 3275KSP	32A - 3P + N + ⊕	- 7h ● - ⊕ - compact (32K)	1
TM 3274 SP	32A - 3P + ⊕	- 7h ● - ⊕	1
TM 3275 SP	32A - 3P + N + ⊕	- 7h ● - ⊕	1
TM 6374 SP	63A - 3P + ⊕	- 7h ● - ⊕	1
TM 6375 SP	63A - 3P + N + ⊕	- 7h ● - ⊕	1

◇ The articles with hour position 6h refer to the rated voltage (2P+⊕/220÷250V ~ - 3P+⊕ and 3P+N+⊕/380÷415V ~)



16A-32K



32A-63A

## spare switches

for TM..SP/KSP sockets

PKR 432	4 x 32A - for 16A and 32A (K version) sockets - 3/4/5 poles	1
PKR 480	4 x 80A - for 32A/63A sockets - 3/4/5 poles	1



### Assembled modular bases

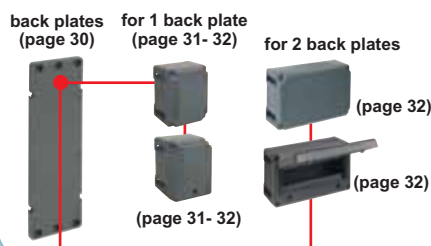
TM 2345 DT \* (page 30)    TM 2656 DT (page 30)    TM 2956 DT \*\* (page 30)



\*for TM 16A-32K

\*\* for TM 32A-TM63A

### Accessories for set mounting



### Accessories for board mounting

QP V - QG V



(page 78)



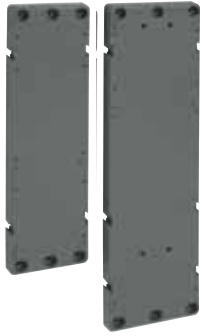
## TM accessories for socket-outlet combinations

- in insulating thermoplastic self-extinguishing material MIL.BOX® moulded with BC-MUL® technique, grey RAL 7012
- with Italian Quality Mark (in compliance with the Italian standard CEI 23-48, corresponding to the international standard IEC 60670)
- the boxes are supplied not pierced, therefore their degree of protection will change according to the connecting adapter mounted on the boxes.

drawing	ILME part No.	description	packaging
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### accessories for set mounting of interlocked switched socket-outlets with insulating enclosure

#### modular back plates



<b>TM 1145 TB</b>	<p>pre-disposed for the assembly of:</p> <ul style="list-style-type: none"> <li>- distribution enclosures <b>TM 1114 DB</b></li> <li>- enclosure for modular equipments <b>TM 1114 GB</b></li> <li>- 16A-32A (K) interlocked switched socket-outlets <b>TM.. IT-IS-IR-SP</b> series</li> <li>- socket-outlets with transformer <b>TM 16220 T1 - TM 16380 T1</b></li> </ul> <p>dimensions 115 x 450 x 18 mm provided with fixing plugs and screws for mounting of a.m. devices</p>	10
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<b>TM 1456 TB</b>	<p>pre-disposed for the assembly of:</p> <ul style="list-style-type: none"> <li>- distribution enclosures <b>TM 1114 DB - TM 1414 DB</b></li> <li>- enclosure for modular equipments <b>TM 1414 GB</b></li> <li>- 32A-63A interlocked switched socket-outlets <b>TM.. IT-IS-IR-SP</b> series</li> </ul> <p>dimensions 145 x 565 x 18 mm provided with fixing plugs and screws for mounting of a.m. devices</p>	10
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<b>TM TXT</b>	fixing plug to fit in for modular back plates <b>TM 1145 TB - TM 1456 TB</b>	1
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#### assembled modular bases



<b>TM 2345 DT</b>	<p>composed of:</p> <ul style="list-style-type: none"> <li>- two modular back plates <b>TM 1145 TB</b></li> <li>- one enclosure for modular equipments <b>TM 2314 GB</b></li> </ul> <p>pre-disposed for the assembly of:</p> <ul style="list-style-type: none"> <li>- 16A-32A (K) interlocked switched socket-outlets <b>TM.. IT-IS-IR-SP</b> series</li> <li>- socket-outlets with transformer <b>TM 16220 T1 - TM 16380 T1</b></li> </ul> <p>dimensions max 230x450x138 mm - (CEI 23-48) pre-disposed for snap-on fixing of modular equipment up to 10.5 units cover to survey the inside equipment - degree of protection IP66/IP67 (EN 60529) provided with:</p> <ul style="list-style-type: none"> <li>- sized DIN-rail EN 60715 (CEI 17-78)</li> <li>- a series of small plates to close the unused spaces</li> <li>- screws for the fixing of the sockets</li> </ul>	2
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<b>TM 2656 DT</b>	<p>composed of:</p> <ul style="list-style-type: none"> <li>- one plate <b>TM 1145 TB</b> and one plate <b>TM 1456 TB</b></li> <li>- one enclosure for modular equipments <b>TM 2614 GB</b></li> </ul> <p>pre-disposed for the assembly of:</p> <ul style="list-style-type: none"> <li>- interlocked switched socket-outlets <b>TM.. IT-IS-IR-SP</b> series (N° 1 TM 16A or 32A (K) + N° 1 TM 32A or 63A)</li> <li>- socket-outlets with transformer <b>TM 16220 T1 - TM 16380 T1</b></li> </ul> <p>dimensions max 260x565x138 mm - (CEI 23-48) pre-disposed for snap-on fixing of modular equipment up to 12 units cover to survey the inside equipment - degree of protection IP66/IP67 (EN 60529) provided with:</p> <ul style="list-style-type: none"> <li>- sized DIN-rail EN 60715 (CEI 17-78)</li> <li>- a series of small plates to close the unused spaces</li> <li>- screws for the fixing of the sockets</li> </ul>	2
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<b>TM 2956 DT</b>	<p>composed of:</p> <ul style="list-style-type: none"> <li>- two modular back plates <b>TM 1456 TB</b></li> <li>- one enclosure for modular equipments <b>TM 2914 GB</b></li> </ul> <p>pre-disposed for the assembly of:</p> <ul style="list-style-type: none"> <li>- 32A-63A interlocked switched socket-outlets <b>TM.. IT-IS-IR-SP</b> series</li> </ul> <p>dimensions max 290x565x138 mm - (CEI 23-48) pre-disposed for snap-on fixing of modular equipment up to 13.5 units cover to survey the inside equipment - degree of protection IP66/IP67 (EN 60529) provided with:</p> <ul style="list-style-type: none"> <li>- sized DIN-rail EN 60715 (CEI 17-78)</li> <li>- a series of small plates to close the unused spaces</li> <li>- screws for the fixing of the sockets</li> </ul>	2
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# TM accessories for socket-outlet combinations

- in insulating thermoplastic self-extinguishing material MIL.BOX® moulded with BC-MUL® technique, grey RAL 7012
- with Italian Quality Mark (in compliance with the Italian standard CEI 23-48, corresponding to the international standard IEC 60670)
- the boxes are supplied not pierced, therefore their degree of protection will change according to the connecting adapter mounted on the boxes.

drawing	ILME part No.	description	packaging
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## accessories for set mounting of interlocked switched socket-outlets with insulating enclosure

### enclosures for modular equipments, with hinged cover



<b>TM 1114 GB</b> ○	<p>predisposed for modular equipment, up to 4 units            dimensions 115 x 144 x 120 mm - Ⓢ (CEI 23-48)            cover to survey the inside equipment mountable on the modular back plate <b>TM 1145 TB</b>            provided with:            - sized DIN-rail EN 60715 (CEI 17-78)            - a series of small plates to close the unused spaces            degree of protection IP66/IP67 (EN 60529)</p>	4
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<b>TM 1414 GB</b> ●	<p>predisposed for modular equipment, up to 5.5 units            dimensions 144 x 144 x 120 mm - Ⓢ (CEI 23-48)            cover to survey the inside equipment mountable on the modular back plate <b>TM 1456 TB</b>            provided with:            - sized DIN-rail EN 60715 (CEI 17-78)            - a series of small plates to close the unused spaces            degree of protection IP66/IP67 (EN 60529)</p>	4
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<b>TM 2314 GB</b> ○ + ○	<p>predisposed for modular equipment, up to 10.5 units (max 186.5 mm)            dimensions 230 x 144 x 120 mm - Ⓢ (CEI 23-48)            cover to survey the inside equipment mountable on the two modular back plates <b>TM 1145 TB</b>            provided with:            - sized DIN-rail EN 60715 (CEI 17-78)            - a series of small plates to close the unused spaces            degree of protection IP66/IP67 (EN 60529)</p>	2
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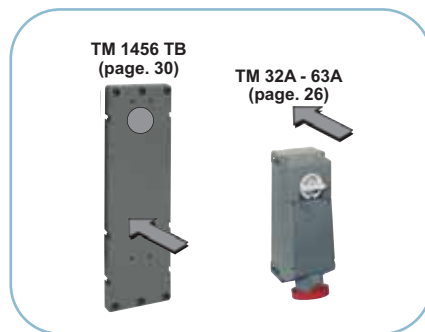
<b>TM 2614 GB</b> ● + ○	<p>predisposed for modular equipment, up to 12 units (max 215 mm)            dimensions 260 x 144 x 120 mm - Ⓢ (CEI 23-48)            cover to survey the inside equipment mountable on the two modular back plates <b>TM 1145 TB</b> and <b>TM 1456 TB</b> together            provided with:            - sized DIN-rail EN 60715 (CEI 17-78)            - a series of small plates to close the unused spaces            degree of protection IP66/IP67 (EN 60529)</p>	2
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<b>TM 2914 GB</b> ● + ●	<p>predisposed for snap-on fixing of modular equipment, up to 13.5 units (max 243.5 mm)            dimensions 290 x 144 x 120 mm - Ⓢ (CEI 23-48)            cover to survey the inside equipment mountable on the two modular back plates <b>TM 1456 TB</b>            provided with:            - sized DIN-rail EN 60715 (CEI 17-78)            - a series of small plates to close the unused spaces            degree of protection IP66/IP67 (EN 60529)</p>	2
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### union nipples for enclosures

<b>FC NP 21</b>	for holes Pg 21	1
<b>FC NP 29</b>	for holes Pg 29	1



TM





# TM accessories for socket-outlet combinations

- with Italian Quality Mark (in compliance with the Italian standard CEI 23-48, corresponding to the international standard IEC 60670)
- the boxes are supplied not pierced, therefore their degree of protection will change according to the connecting adapter mounted on the boxes.

drawing

ILME part No.

description

packaging

## accessories for set mounting of interlocked switched socket-outlets with insulating enclosure

### distribution enclosures, with fix cover



<b>TM 1114 DB</b>	<p>preset for mounting on the modular back plate <b>TM 1145 TB</b></p> <p>– dimensions 115 x 144 x 94.5 mm -  (CEI 23-48)</p> <p>in insulating thermoplastic self-extinguishing material MIL.BOX<sup>®</sup> moulded with BC-MUL<sup>®</sup> technique, grey RAL 7012</p> <p>the mounting plate can be fixed inside</p> <p>on the cover buttons, signals, etc. can be fixed</p> <p>degree of protection IP66/IP67 (EN 60529)</p>	20
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<b>TM 1414 DB</b>	<p>preset for mounting on the modular back plate <b>TM 1456 TB</b></p> <p>– dimensions 144 x 144 x 94.5 mm -  (CEI 23-48)</p> <p>in insulating thermoplastic self-extinguishing material MIL.BOX<sup>®</sup> moulded with BC-MUL<sup>®</sup> technique, grey RAL 7012</p> <p>the mounting plate can be fixed inside</p> <p>on the cover buttons, signals, etc. can be fixed</p> <p>degree of protection IP66/IP67 (EN 60529)</p>	20
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<b>TM 2314 DB</b>	<p>preset for mounting on the two modular back plates <b>TM 1145 TB</b></p> <p>– dimensions 230 x 144 x 94.5 mm -  (CEI 23-48)</p> <p>in insulating thermoplastic self-extinguishing material MIL.BOX<sup>®</sup> moulded with BC-MUL<sup>®</sup> technique, grey RAL 7012</p> <p>the mounting plate can be fixed inside</p> <p>on the cover buttons, signals, etc. can be fixed</p> <p>degree of protection IP66/IP67 (EN 60529)</p>	2
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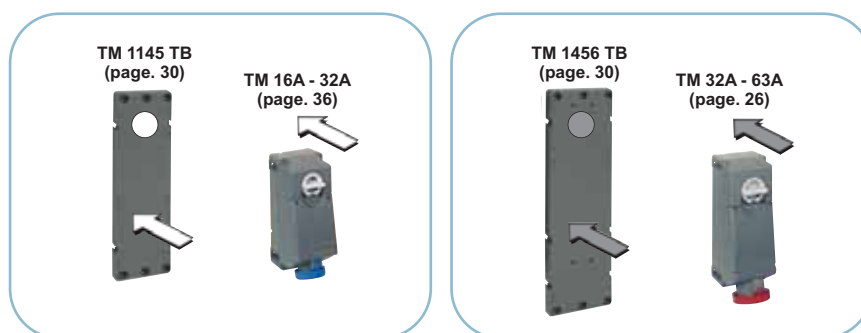
<b>TM 2614 DB</b>	<p>preset for mounting on the modular back plates <b>TM 1145 TB</b> and <b>TM 1456 TB</b> together</p> <p>– dimensions 260 x 144 x 94.5 mm -  (CEI 23-48)</p> <p>in insulating thermoplastic self-extinguishing material MIL.BOX<sup>®</sup> moulded with BC-MUL<sup>®</sup> technique, grey RAL 7012</p> <p>the mounting plate can be fixed inside</p> <p>on the cover buttons, signals, etc. can be fixed</p> <p>degree of protection IP66/IP67 (EN 60529)</p>	2
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<b>TM 2914 DB</b>	<p>preset for mounting on the two modular back plates <b>TM 1456 TB</b></p> <p>– dimensions 290 x 144 x 94.5 mm -  (CEI 23-48)</p> <p>in insulating thermoplastic self-extinguishing material MIL.BOX<sup>®</sup> moulded with BC-MUL<sup>®</sup> technique, grey RAL 7012</p> <p>the mounting plate can be fixed inside</p> <p>on the cover buttons, signals, etc. can be fixed</p> <p>degree of protection IP66/IP67 (EN 60529)</p>	2
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### zinc plated mounting plates for distribution enclosures



<b>TM 1114 PF</b>	for distribution enclosures TM 1114 DB	1
<b>TM 1414 PF</b>	for distribution enclosures TM 1414 DB	1
<b>TM 2314 PF</b>	for distribution enclosures TM 2314 DB	1
<b>TM 2614 PF</b>	for distribution enclosures TM 2614 DB	1
<b>TM 2914 PF</b>	for distribution enclosures TM 2914 DB	1





# TM socket-outlets for industrial purposes low voltage

- in compliance with standards EN 60309-1, -2 and -4
- enclosures in insulating thermoplastic self-extinguishing material MIL.BOX® moulded with BC-MUL® technique, colour grey RAL 7012
- with bayonet jointed lid
- padlockable handle, both in O and I position
- mechanical resistance to impacts: 20 J (IK 10 according to EN 62262)
- double mechanical interlock that prevents from: switching "ON" the switch when the plug is not inserted, withdrawing the plug when the switch is turned to "ON" position
- the switch cannot be switched ON until the fuse carriers' cover has been closed
- with Italian Quality Mark

drawing      ILME part No.      description      packaging

## interlocked switched socket-outlets with screw-type fuse carriers without back box\*

fuse links not included  
degree of protection IP66/IP67 (EN 60529) - the sockets are supplied not pierced, therefore their degree of protection will change according to the connecting adapter mounted on the boxes.

### 100÷130V ~ - 50 and 60 Hz - yellow

TM 1643 SIT	16A - 2P + ⊕ - 4h ● - fuse carriers E16 - ⊕	1
TM 1644 SIT	16A - 3P + ⊕ - 4h ● - fuse carriers E16 - ⊕	1
TM 1645 SIT	16A - 3P + N + ⊕ - 4h ● - fuse carriers E16 - ⊕	1

### 200÷250V ~ - 50 and 60 Hz - blue

TM 1663 SIT	16A - 2P + ⊕ - 6h ● - fuse carriers E16 - ⊕◇	9
TM 1694 SIT	16A - 3P + ⊕ - 9h ● - fuse carriers E16 - ⊕	1
TM 1695 SIT	16A - 3P + N + ⊕ - 9h ● - fuse carriers E16 - ⊕	9

### 380÷415V ~ - 50 and 60 Hz - red

TM 1693 SIT	16A - 2P + ⊕ - 9h ● - fuse carriers E16 - ⊕	1
TM 1664 SIT	16A - 3P + ⊕ - 6h ● - fuse carriers E16 - ⊕◇	9
TM 1665 SIT	16A - 3P + N + ⊕ - 6h ● - fuse carriers E16 - ⊕◇	9

### 480÷500V ~ - 50 and 60 Hz - black

TM 1674 SIT	16A - 3P + ⊕ - 7h ● - fuse carriers E16 - ⊕	1
TM 1675 SIT	16A - 3P + N + ⊕ - 7h ● - fuse carriers E16 - ⊕	1

◇ The articles with hour position 6h refer to the rated voltage (2P+⊕/220÷250V ~ - 3P+⊕ and 3P+N+⊕/380÷415V ~)



16A



## spare switches

for TM..SIT sockets

PKR 432	4 x 32A - for 16A sockets - 3/4/5 poles	1
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**By end 2010 available with sectionable fuse carrier only.  
See page 34**

**NEW**



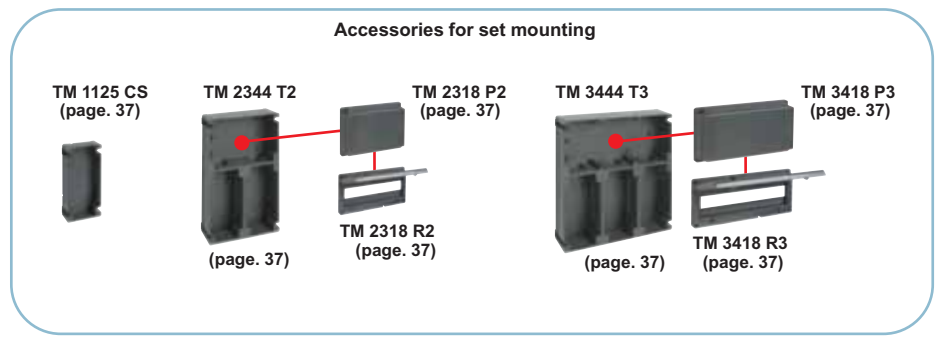
16A

## socket-outlets with safety transformer - 144 VA continuous service without back box\*

for class III lighting apparatus  
in compliance with standard EN 60742 (class. CEI 96-2)  
degree of protection IP66/IP67 (EN 60529)  
with bayonet jointed lid  
primary switched by plug insertion  
**self-protected toroidal transformer with automatic re-start according to EN 60742 - 144 VA continuous service**

TM 16220 ST1	16A - 2P ● - 24V ~ - 50 and 60 Hz - transf. 230/24V	2
TM 16380 ST1	16A - 2P ● - 24V ~ - 50 and 60 Hz - transf. 400/24V	2

\* To install the TM..SIT and TM..ST1 they have to be prior mounted in a single or multiple box





# TM socket-outlets for industrial purposes low voltage

- in compliance with standards CEI EN 60309-1, -2 and -4
- enclosures in insulating thermoplastic self-extinguishing material MIL.BOX<sup>®</sup> moulded with BC-MUL<sup>®</sup> technique, colour grey RAL 7012
- with bayonet jointed lid
- padlockable handle, both in O and I position
- mechanical resistance to impacts: 20 J (IK 10 according to EN 62262)
- double mechanical interlock that prevents from: switching "ON" the switch when the plug is not inserted, withdrawing the plug when the switch is turned to "ON" position
- the switch cannot be switched ON until the fuse carriers' cover has been closed
- with Italian Quality Mark

drawing

ILME part No.

description

packaging



16A-32K

## interlocked switched socket-outlets with screw-type fuse carriers without back box\*

fuse links not included

degree of protection IP66/IP67 (EN 60529) - the sockets are supplied not pierced, therefore their degree of protection will change according to the connecting adapter mounted on the boxes.

### 100÷130V ~ - 50 and 60 Hz - yellow

TM 1643 SIS	16A - 2P + ⊕ - 4h ● - fuse carriers 10 x 38 mm - ⊕	1
TM 1644 SIS	16A - 3P + ⊕ - 4h ● - fuse carriers 10 x 38 mm - ⊕	1
TM 1645 SIS	16A - 3P + N + ⊕ - 4h ● - fuse carriers 10 x 38 mm - ⊕	1
TM 3243KSIS	32A - 2P + ⊕ - 4h ● - fuse carriers 10 x 38 mm - ⊕	1
TM 3244KSIS	32A - 3P + ⊕ - 4h ● - fuse carriers 10 x 38 mm - ⊕	1
TM 3245KSIS	32A - 3P + N + ⊕ - 4h ● - fuse carriers 10 x 38 mm - ⊕	1

### 200÷250V ~ - 50 and 60 Hz - blue

TM 1663 SIS	16A - 2P + ⊕ - 6h ● - fuse carriers 10 x 38 mm - ⊕◇	9
TM 1694 SIS	16A - 3P + ⊕ - 9h ● - fuse carriers 10 x 38 mm - ⊕◇	9
TM 1695 SIS	16A - 3P + N + ⊕ - 9h ● - fuse carriers 10 x 38 mm - ⊕◇	1
TM 3263KSIS	32A - 2P + ⊕ - 6h ● - fuse carriers 10 x 38 mm - ⊕◇	9
TM 3294KSIS	32A - 3P + ⊕ - 9h ● - fuse carriers 10 x 38 mm - ⊕◇	1
TM 3295KSIS	32A - 3P + N + ⊕ - 9h ● - fuse carriers 10 x 38 mm - ⊕◇	1

### 380÷415V ~ - 50 and 60 Hz - red

TM 1693 SIS	16A - 2P + ⊕ - 9h ● - fuse carriers 10 x 38 mm - ⊕	9
TM 1664 SIS	16A - 3P + ⊕ - 6h ● - fuse carriers 10 x 38 mm - ⊕◇	9
TM 1665 SIS	16A - 3P + N + ⊕ - 6h ● - fuse carriers 10 x 38 mm - ⊕◇	9
TM 3293KSIS	32A - 2P + ⊕ - 9h ● - fuse carriers 10 x 38 mm - ⊕	1
TM 3264KSIS	32A - 3P + ⊕ - 6h ● - fuse carriers 10 x 38 mm - ⊕◇	9
TM 3265KSIS	32A - 3P + N + ⊕ - 6h ● - fuse carriers 10 x 38 mm - ⊕◇	9

### 480÷500V ~ - 50 and 60 Hz - black

TM 1674 SIS	16A - 3P + ⊕ - 7h ● - portafusibili 10 x 38 mm - ⊕	9
TM 1675 SIS	16A - 3P + N + ⊕ - 7h ● - portafusibili 10 x 38 mm - ⊕	1

◇ The articles with hour position 6h refer to the rated voltage (2P+⊕/220÷250V ~ - 3P+⊕ and 3P+N+⊕/380÷415V ~)  
\* To install the TM..SIS/KSIS they have to be prior mounted in a single or multiple box

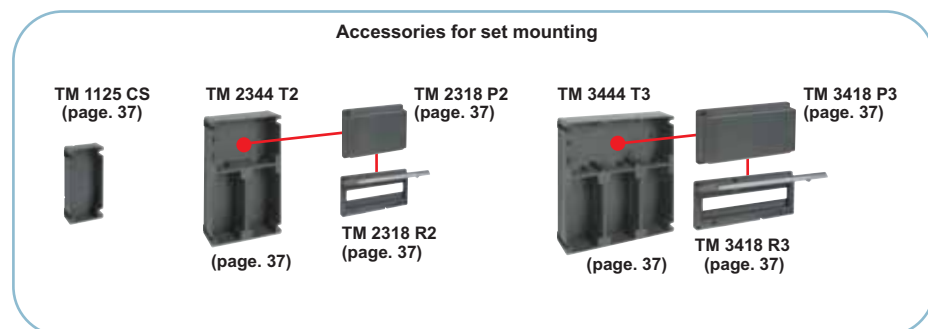
## spare switches

for TM..SIT sockets

PKR 432	4 x 32A - for 16A sockets - 3/4/5 poles	1
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TM





# TM socket-outlets for industrial purposes low voltage

- in compliance with standards CEI EN 60309-1, -2 and -4
- enclosures in insulating thermoplastic self-extinguishing material MIL.BOX® moulded with BC-MUL® technique, colour grey RAL 7012
- with bayonet jointed lid
- padlockable handle, both in O and I position
- mechanical resistance to impacts: 20 J (IK 10 according to EN 62262)
- double mechanical interlock that prevents from: switching "ON" the switch when the plug is not inserted, withdrawing the plug when the switch is turned to "ON" position
- the switch cannot be switched ON until the cover of the room for modular equipment has been closed
- with Italian Quality Mark

drawing

ILME part No.

description

packaging

## interlocked switched socket-outlets with room for modular equipments without back box\*

degree of protection IP66/IP67 (EN 60529) - the sockets are supplied not pierced, therefore their degree of protection will change according to the connecting adapter mounted on the boxes.

### 100÷130V ~ - 50 and 60 Hz - yellow

TM 1643 SIR	16A - 2P + ⊕	- 4h ●	- rail for 4.5 modules - ⊕	9
TM 1644 SIR	16A - 3P + ⊕	- 4h ●	- rail for 4.5 modules - ⊕	9
TM 1645 SIR	16A - 3P + N + ⊕	- 4h ●	- rail for 4.5 modules - ⊕	1
TM 3243KSIR	32A - 2P + ⊕	- 4h ●	- rail for 4.5 modules - ⊕	1
TM 3244KSIR	32A - 3P + ⊕	- 4h ●	- rail for 4.5 modules - ⊕	9
TM 3245KSIR	32A - 3P + N + ⊕	- 4h ●	- rail for 4.5 modules - ⊕	1

### 200÷250V ~ - 50 and 60 Hz - blue

TM 1663 SIR	16A - 2P + ⊕	- 6h ●	- rail for 4.5 modules - ⊕◇	9
TM 1694 SIR	16A - 3P + ⊕	- 9h ●	- rail for 4.5 modules - ⊕	1
TM 1695 SIR	16A - 3P + N + ⊕	- 9h ●	- rail for 4.5 modules - ⊕	1
TM 3263KSIR	32A - 2P + ⊕	- 6h ●	- rail for 4.5 modules - ⊕◇	9
TM 3294KSIR	32A - 3P + ⊕	- 9h ●	- rail for 4.5 modules - ⊕	9
TM 3295KSIR	32A - 3P + N + ⊕	- 9h ●	- rail for 4.5 modules - ⊕	1

### 380÷415V ~ - 50 and 60 Hz - red

TM 1693 SIR	16A - 2P + ⊕	- 9h ●	- rail for 4.5 modules - ⊕	9
TM 1664 SIR	16A - 3P + ⊕	- 6h ●	- rail for 4.5 modules - ⊕◇	9
TM 1665 SIR	16A - 3P + N + ⊕	- 6h ●	- rail for 4.5 modules - ⊕◇	9
TM 3293KSIR	32A - 2P + ⊕	- 9h ●	- rail for 4.5 modules - ⊕	1
TM 3264KSIR	32A - 3P + ⊕	- 6h ●	- rail for 4.5 modules - ⊕◇	9
TM 3265KSIR	32A - 3P + N + ⊕	- 6h ●	- rail for 4.5 modules - ⊕◇	9

### 480÷500V ~ - 50 and 60 Hz - black

TM 1674 SIR	16A - 3P + ⊕	- 7h ●	- rail for 4.5 modules - ⊕	1
TM 1675 SIR	16A - 3P + N + ⊕	- 7h ●	- rail for 4.5 modules - ⊕	1
TM 3274KSIR	32A - 3P + ⊕	- 7h ●	- rail for 4.5 modules - ⊕	1
TM 3275KSIR	32A - 3P + N + ⊕	- 7h ●	- rail for 4.5 modules - ⊕	1

◇ The articles with hour position 6h refer to the rated voltage (2P+⊕/220÷250V ~ - 3P+⊕ and 3P+N+⊕/380÷415V ~)  
\* To install the TM..SIR/KSIR they have to be prior mounted in a single or multiple box



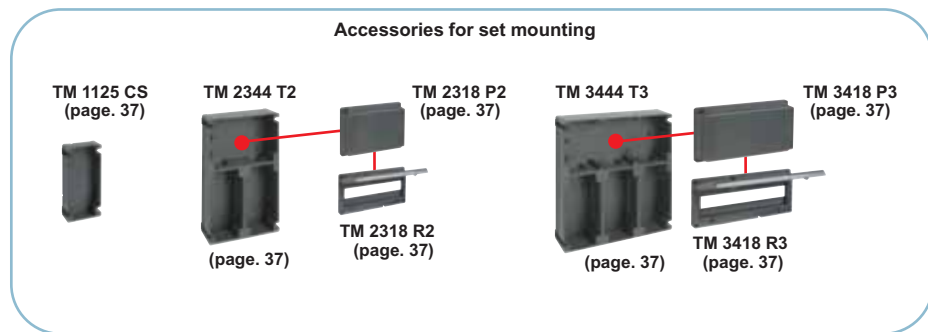
16A-32K



## spare switches

for TM..SIR/KSIR sockets

PKR 432	4 x 32A - for 16A and 32A sockets - 3/4/5 poles	1
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# TM socket-outlets for industrial purposes low voltage

- in compliance with standards CEI EN 60309-1, -2 and -4
- enclosures in insulating thermoplastic self-extinguishing material MIL.BOX® moulded with BC-MUL® technique, colour grey RAL 7012
- with bayonet jointed lid
- padlockable handle, both in O and I position
- mechanical resistance to impacts: 20 J (IK 10 according to EN 62262)
- double mechanical interlock that prevents from: switching "ON" the switch when the plug is not inserted, withdrawing the plug when the switch is turned to "ON" position
- with Italian Quality Mark

drawing

ILME part No.

description

packaging



16A-32K

## interlocked switched socket-outlets without back box\*

degree of protection IP66/IP67 (EN 60529) - the sockets are supplied not pierced, therefore their degree of protection will change according to the connecting adapter mounted on the boxes.

### 100÷130V ~ - 50 and 60 Hz - yellow

TM 1643 SSP	16A - 2P + ⊕ - 4h ● - ⊕	9
TM 1644 SSP	16A - 3P + ⊕ - 4h ● - ⊕	1
TM 1645 SSP	16A - 3P + N + ⊕ - 4h ● - ⊕	1
TM 3243KSSP	32A - 2P + ⊕ - 4h ● - ⊕	1
TM 3244KSSP	32A - 3P + ⊕ - 4h ● - ⊕	9
TM 3245KSSP	32A - 3P + N + ⊕ - 4h ● - ⊕	1

### 200÷250V ~ - 50 and 60 Hz - blue

TM 1663 SSP	16A - 2P + ⊕ - 6h ● - ⊕◇	9
TM 1694 SSP	16A - 3P + ⊕ - 9h ● - ⊕	1
TM 1695 SSP	16A - 3P + N + ⊕ - 9h ● - ⊕	1
TM 3263KSSP	32A - 2P + ⊕ - 6h ● - ⊕◇	9
TM 3294KSSP	32A - 3P + ⊕ - 9h ● - ⊕	1
TM 3295KSSP	32A - 3P + N + ⊕ - 9h ● - ⊕	1

### 380÷415V ~ - 50 and 60 Hz - red

TM 1693 SSP	16A - 2P + ⊕ - 9h ● - ⊕	1
TM 1664 SSP	16A - 3P + ⊕ - 6h ● - ⊕◇	9
TM 1665 SSP	16A - 3P + N + ⊕ - 6h ● - ⊕◇	9
TM 3293KSSP	32A - 2P + ⊕ - 9h ● - ⊕	1
TM 3264KSSP	32A - 3P + ⊕ - 6h ● - ⊕◇	9
TM 3265KSSP	32A - 3P + N + ⊕ - 6h ● - ⊕◇	9

### 480÷500V ~ - 50 and 60 Hz - black

TM 1674 SSP	16A - 3P + ⊕ - 7h ● - ⊕	9
TM 1675 SSP	16A - 3P + N + ⊕ - 7h ● - ⊕	1
TM 3274KSSP	25A - 3P + ⊕ - 7h ● - ⊕	1
TM 3275KSSP	25A - 3P + N + ⊕ - 7h ● - ⊕	1

◇ The articles with hour position 6h refer to the rated voltage (2P+⊕/220÷250V ~ - 3P+⊕ and 3P+N+⊕/380÷415V ~)  
 \* To install the TM..SSP/KSSP they have to be prior mounted in a single or multiple box

## spare switches

for TM..SSP/KSSP sockets

PKR 432	4 x 32A - for 16A and 32A sockets - 3/4/5 poles	1
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### Accessories for set mounting

TM 1125 CS (page. 37)



TM 2344 T2 (page. 37)



TM 2318 P2 (page. 37)



(page. 37)

TM 2318 R2 (page. 37)

TM 3444 T3 (page. 37)



(page. 37)

TM 3418 P3 (page. 37)



TM 3418 R3 (page. 37)



## TM distribution system

- all components (modules, boxes, covers, etc.) are in insulating thermoplastic self-extinguishing material MIL.BOX® moulded with BC-MUL® technique, colour grey RAL 7012
- threaded seats, unlosable screws
- gaskets in anti-ageing rubber, resistant to oil
- with Italian Quality Mark (in compliance with the Italian standard CEI 23-48, corresponding to the international standard IEC 60670)
- the boxes are supplied not pierced, therefore their degree of protection will change according to the connecting adapter mounted on the boxes.

drawing	ILME part No.	description	packaging
<b>complementary parts and accessories of the TM system</b>			
<b>single box</b>			
	TM 1125 CS	dimensions 114x255x50 mm (CEI 23-48)	10
<b>single cover</b>			
	TM 1125 P	to close unused spaces, as cover of equipment mounted on the back plate or as support for board accessories, it is equipped with gasket and stainless steel fixing screws (CEI 23-48)	5
<b>multiple boxes</b>			
	TM 2344 T2	double box	4
	TM 3444 T3	triple box for interlocked switched sockets TM.. SIT-SIS-SIR-SSP 16A-32A (K) and socket-outlets with safety transformer TM ... ST1 series (CEI 23-48)	2
<b>smooth covers for multiple boxes</b>			
	TM 2318 P2	to close the connecting zone of the double box	4
	TM 3418 P3	to close the connecting zone of the triple box equipped with gasket, stainless steel fixing screws, sized rail DIN EN 60715 (CEI 17-78) and with fixing screws (CEI 23-48)	2
<b>covers for mounting modular equipment on multiple boxes</b>			
	TM 2318 R2	to close the connecting zone of the double box with room for modular equipments (up to 10 units) and hinged cover	4
	TM 3418 R3	to close the connecting zone of the triple box with room for modular equipments (up to 16.5 units) and hinged cover  equipped with gaskets, stainless steel blocking screws sized DIN-rail EN 60715 (CEI 17-78) and with fixing screws, a series of small plates to close the unused spaces (CEI 23-48)	2
<b>single module box mounting plate</b>			
	TM 1125 PF	to be mounted on the bottom of the double or triple box in zinc plated steel	1
<b>safety block with key</b>			
	BC CHT	to lock the cover TM 2318 R2 and TM 3418 R3 supplied with two keys	1
<b>plates for empty spaces</b>			
	BC FR 62	to close empty modular spaces it comprises fractions of modules 17.5 mm (6 of $\frac{3}{4}$ + 2 of $\frac{1}{4}$ of modules)	1

TM devices, when mounted on their boxes, keep IP66/IP67 degree of protection.



SQ - SQE - SQV - SQT  
overview of the socket-outlets  
for industrial purposes  
low voltage and  
extra low voltage

Composition of the part No.: e.g. (low voltage)

**SQE 16 4 3 5**

article series \_\_\_\_\_  
rated current in amperes \_\_\_\_\_  
earthing contact position in hours \_\_\_\_\_  
number of poles including the earth \_\_\_\_\_  
degree of protection IP55 \_\_\_\_\_

**Interlocked switched socket-outlets  
low voltage over 50V up to 690V**

without fuse carrier

IP44



SQ  
16A

**Interlocked switched socket-outlets  
low voltage over 50V up to 690V**

without fuse carrier

IP44



SQE  
16A  
32A

with fuse carrier



SQV  
16A  
32A

**socket-outlets with safety transformer  
extra low voltage up to 50V**

IP55



SQT  
16A

**Interlocked switched socket-outlets  
low voltage over 50V up to 690V**

without fuse carrier

IP55



SQE.. 5  
16A  
32A

with fuse carrier



SQV.. 5  
16A  
32A

**combinations of socket-outlets**

- FC series enclosures
- for SQ socket-outlets (IP44)
- for SQE, SQV socket-outlets (IP44 and IP55)
- for SQT socket-outlets (IP55)



**combinations of socket-outlets**

- FM series enclosures
- for SQE, SQV socket-outlets (IP44 and IP55)
- for SQT socket-outlets (IP55)



**combinations of socket-outlets**

- FM series enclosures
- for SQ socket-outlets (IP44)





## SQ - SQT socket-outlets for industrial purposes

- in compliance with standards EN 60309-1, -2 and -4
- enclosures and inserts in insulating thermoplastic self-extinguishing material colour grey RAL 7035
- socket with spring lid
- lockable command switch
- mechanical resistance to impacts: 6 J
- mechanical interlock that prevents from: switching "ON" the switch when the plug is not inserted, withdrawing the plug when the switch is turned to "ON" position, dismantling the socket from the box system or the containing box when plug is inserted
- with Italian Quality Mark

drawing      ILME part No.      description      packaging

### interlocked switched socket-outlets without fuse carrier flush-mounting - IP44 (EN 60529) - low voltage



16A

100÷130V ~ - 50 and 60 Hz - yellow			
SQ 1643	16A - 2P + ⊕	- 4h ● - ⊕	1
SQ 1644	16A - 3P + ⊕	- 4h ● - ⊕	10
SQ 1645	16A - 3P + N + ⊕	- 4h ● - ⊕	1
200÷250V ~ - 50 and 60 Hz - blue			
SQ 1663	16A - 2P + ⊕	- 6h ● - ⊕	10
SQ 1694	16A - 3P + ⊕	- 9h ● - ⊕	1
SQ 1695	16A - 3P + N + ⊕	- 9h ● - ⊕	1
380÷415V ~ - 50 and 60 Hz - red			
SQ 1693	16A - 2P + ⊕	- 9h ● - ⊕	1
SQ 1664	16A - 3P + ⊕	- 6h ● - ⊕	10
SQ 1665	16A - 3P + N + ⊕	- 6h ● - ⊕	10
480÷500V ~ - 50 and 60 Hz - black			
SQ 1674	16A - 3P + ⊕	- 7h ● - ⊕	1
SQ 1675	16A - 3P + N + ⊕	- 7h ● - ⊕	1

◇ The articles with hour position 6h refer to the rated voltage (2P+⊕/220÷250V ~ - 3P+⊕ and 3P+N+⊕/380÷415V ~ -)  
To mount these sockets on the wall, the additional back box SQC 1114 CS is required

### accessories and spare parts



single box			
SQC 1114 CS	fitted out with:		1
	- pipe gland Pg 21 with gasket and nuts		
spare switch			
PKR 432 Q	4 x 16A - for 16A switched sockets		1
	3/4/5 poles		



16A



### socket-outlets with safety transformer - splashproof IP55 (EN 60529) extra low voltage

for class III lighting apparatus  
primary switched by plug insertion  
**self-protected toroidal transformer - with automatic re-start**  
**in compliance with EN 61558-2-9 - 144 VA continuous service**

SQT 16220	16A - 2P ● - 24V~ - 50 and 60 Hz - trasf. 230/24V		2
	To mount these sockets on the wall, the additional back box SQC 923 CS is required or box FM ... SQV		
single box			
SQC 923 CS	fitted out with:		9
	- pipe gland Pg 21 - Pg 29 with gasket and nuts		
	- 4 plugs sealing the fixing screws		
gasket for flush mounting			
SQC 923 ME	in anti-aging rubber, resistant to oil, to be mounted on modules built-in in niches with irregular borders or with tiled surfaces, to cover possible cracks		1





# SQE socket-outlets for industrial purposes low voltage

- in compliance with standards EN 60309-1, -2 and -4
- enclosures and inserts in insulating thermoplastic self-extinguishing material colour grey RAL 7035
- lockable command switch
- mechanical resistance to impacts: 6 J
- mechanical interlock that prevents from: switching "ON" the switch when the plug is not inserted, withdrawing the plug when the switch is turned to "ON" position, dismantling the socket from the box system or the containing box when plug is inserted
- with Italian Quality Mark

drawing

ILME part No.

description

packaging



16A-32A

## interlocked switched socket-outlets without fuse carrier flush-mounting - IP44 (EN 60529)

100÷130V ~ - 50 and 60 Hz - yellow			
SQE 1643	16A - 2P + ⊕	- 4h ● - ⊕	1
SQE 1644	16A - 3P + ⊕	- 4h ● - ⊕	1
SQE 1645	16A - 3P + N + ⊕	- 4h ● - ⊕	1
SQE 3243	32A - 2P + ⊕	- 4h ● - ⊕	1
SQE 3244	32A - 3P + ⊕	- 4h ● - ⊕	1
SQE 3245	32A - 3P + N + ⊕	- 4h ● - ⊕	1
200÷250V ~ - 50 and 60 Hz - blue			
SQE 1663	16A - 2P + ⊕	- 6h ● - ⊕	9
SQE 1694	16A - 3P + ⊕	- 9h ● - ⊕	9
SQE 1695	16A - 3P + N + ⊕	- 9h ● - ⊕	9
SQE 3263	32A - 2P + ⊕	- 6h ● - ⊕	9
SQE 3294	32A - 3P + ⊕	- 9h ● - ⊕	1
SQE 3295	32A - 3P + N + ⊕	- 9h ● - ⊕	1
380÷415V ~ - 50 and 60 Hz - red			
SQE 1693	16A - 2P + ⊕	- 9h ● - ⊕	1
SQE 1664	16A - 3P + ⊕	- 6h ● - ⊕	9
SQE 1665	16A - 3P + N + ⊕	- 6h ● - ⊕	9
SQE 3293	32A - 2P + ⊕	- 9h ● - ⊕	1
SQE 3264	32A - 3P + ⊕	- 6h ● - ⊕	9
SQE 3265	32A - 3P + N + ⊕	- 6h ● - ⊕	9
480÷500V ~ - 50 and 60 Hz - black			
SQE 1674	16A - 3P + ⊕	- 7h ● - ⊕	1
SQE 1675	16A - 3P + N + ⊕	- 7h ● - ⊕	1
SQE 3274	32A - 3P + ⊕	- 7h ● - ⊕	1
SQE 3275	32A - 3P + N + ⊕	- 7h ● - ⊕	1

## interlocked switched socket-outlets without fuse carrier flush-mounting - IP55 (EN 60529)

100÷130V ~ - 50 and 60 Hz - yellow			
SQE 1643.5	16A - 2P + ⊕	- 4h ● - ⊕	1
SQE 1644.5	16A - 3P + ⊕	- 4h ● - ⊕	1
SQE 1645.5	16A - 3P + N + ⊕	- 4h ● - ⊕	1
SQE 3243.5	32A - 2P + ⊕	- 4h ● - ⊕	1
SQE 3244.5	32A - 3P + ⊕	- 4h ● - ⊕	1
SQE 3245.5	32A - 3P + N + ⊕	- 4h ● - ⊕	1
200÷250V ~ - 50 and 60 Hz - blue			
SQE 1663.5	16A - 2P + ⊕	- 6h ● - ⊕	9
SQE 1694.5	16A - 3P + ⊕	- 9h ● - ⊕	1
SQE 1695.5	16A - 3P + N + ⊕	- 9h ● - ⊕	1
SQE 3263.5	32A - 2P + ⊕	- 6h ● - ⊕	9
SQE 3294.5	32A - 3P + ⊕	- 9h ● - ⊕	1
SQE 3295.5	32A - 3P + N + ⊕	- 9h ● - ⊕	1
380÷415V ~ - 50 and 60 Hz - red			
SQE 1693.5	16A - 2P + ⊕	- 9h ● - ⊕	9
SQE 1664.5	16A - 3P + ⊕	- 6h ● - ⊕	9
SQE 1665.5	16A - 3P + N + ⊕	- 6h ● - ⊕	9
SQE 3293.5	32A - 2P + ⊕	- 9h ● - ⊕	1
SQE 3264.5	32A - 3P + ⊕	- 6h ● - ⊕	9
SQE 3265.5	32A - 3P + N + ⊕	- 6h ● - ⊕	9
480÷500V ~ - 50 and 60 Hz - black			
SQE 1674.5	16A - 3P + ⊕	- 7h ● - ⊕	1
SQE 1675.5	16A - 3P + N + ⊕	- 7h ● - ⊕	1
SQE 3274.5	32A - 3P + ⊕	- 7h ● - ⊕	1
SQE 3275.5	32A - 3P + N + ⊕	- 7h ● - ⊕	1

⊕ The articles with hour position 6h refer to the rated voltage (2P+⊕/220÷250V ~ - 3P+⊕ and 3P+N+⊕/380÷415V ~ -)  
To mount these sockets on the wall, the additional back box SQC 923 CS is required



spare switch			
PKR 432 QR	4 x 32A - for all types		1

<p>FM 1043 SQV page 43</p>	<p>FM 2451 DSQV page 43</p>	<p>FM 3251 DSQV page 43</p>	<p>FM 4272 SQV page 43</p>	<p>FC 2542 QV</p>	<p>FC 2525 QV</p>	<p>QP V - QG V page 78</p>
<p>FM 1043 DSQV page 43</p>	<p>FM 2451 SQV page 43</p>	<p>FM 3251 SQV page 43</p>		<p>SQC 923 CS page 39</p>		<p>SQC 923 CS page 39</p>



# SQV socket-outlets for industrial purposes low voltage

- in compliance with standards EN 60309-1, -2 and -4
- enclosures and inserts in insulating thermoplastic self-extinguishing material colour grey RAL 7035
- lockable command switch
- mechanical resistance to impacts: 6 J
- mechanical interlock that prevents from: switching "ON" the switch when the plug is not inserted, withdrawing the plug when the switch is turned to "ON" position, dismantling the socket from the box system or the containing box when plug is inserted
- with Italian Quality Mark

drawing      ILME part No.      description      packaging



16A-32A

## interlocked switched socket-outlets with fuse carrier (fuse-links not included) flush-mounting - IP44 (EN 60529)

100÷130V ~ - 50 and 60 Hz - yellow			
SQV 1643	16A - 2P + ⊕	- 4h ● - ⊕	1
SQV 1644	16A - 3P + ⊕	- 4h ● - ⊕	1
SQV 1645	16A - 3P + N + ⊕	- 4h ● - ⊕	1
SQV 3243	32A - 2P + ⊕	- 4h ● - ⊕	1
SQV 3244	32A - 3P + ⊕	- 4h ● - ⊕	1
SQV 3245	32A - 3P + N + ⊕	- 4h ● - ⊕	1
200÷250V ~ - 50 and 60 Hz - blue			
SQV 1663	16A - 2P + ⊕	- 6h ● - ⊕	9
SQV 1694	16A - 3P + ⊕	- 9h ● - ⊕	1
SQV 1695	16A - 3P + N + ⊕	- 9h ● - ⊕	1
SQV 3263	32A - 2P + ⊕	- 6h ● - ⊕	9
SQV 3294	32A - 3P + ⊕	- 9h ● - ⊕	1
SQV 3295	32A - 3P + N + ⊕	- 9h ● - ⊕	1
380÷415V ~ - 50 and 60 Hz - red			
SQV 1693	16A - 2P + ⊕	- 9h ● - ⊕	1
SQV 1664	16A - 3P + ⊕	- 6h ● - ⊕	9
SQV 1665	16A - 3P + N + ⊕	- 6h ● - ⊕	9
SQV 3293	32A - 2P + ⊕	- 9h ● - ⊕	1
SQV 3264	32A - 3P + ⊕	- 6h ● - ⊕	9
SQV 3265	32A - 3P + N + ⊕	- 6h ● - ⊕	9
480÷500V ~ - 50 and 60 Hz - black			
SQV 1674	16A - 3P + ⊕	- 7h ● - ⊕	1
SQV 1675	16A - 3P + N + ⊕	- 7h ● - ⊕	1
SQV 3274	32A - 3P + ⊕	- 7h ● - ⊕	1
SQV 3275	32A - 3P + N + ⊕	- 7h ● - ⊕	1

## interlocked switched socket-outlets with fuse carrier (fuse-links not included) flush-mounting - IP55 (EN 60529)



16A-32A

100÷130V ~ - 50 and 60 Hz - yellow			
SQV 1643.5	16A - 2P + ⊕	- 4h ● - ⊕	1
SQV 1644.5	16A - 3P + ⊕	- 4h ● - ⊕	1
SQV 1645.5	16A - 3P + N + ⊕	- 4h ● - ⊕	1
SQV 3243.5	32A - 2P + ⊕	- 4h ● - ⊕	1
SQV 3244.5	32A - 3P + ⊕	- 4h ● - ⊕	1
SQV 3245.5	32A - 3P + N + ⊕	- 4h ● - ⊕	1
200÷250V ~ - 50 and 60 Hz - blue			
SQV 1663.5	16A - 2P + ⊕	- 6h ● - ⊕	9
SQV 1694.5	16A - 3P + ⊕	- 9h ● - ⊕	1
SQV 1695.5	16A - 3P + N + ⊕	- 9h ● - ⊕	1
SQV 3263.5	32A - 2P + ⊕	- 6h ● - ⊕	9
SQV 3294.5	32A - 3P + ⊕	- 9h ● - ⊕	1
SQV 3295.5	32A - 3P + N + ⊕	- 9h ● - ⊕	1
380÷415V ~ - 50 and 60 Hz - red			
SQV 1693.5	16A - 2P + ⊕	- 9h ● - ⊕	1
SQV 1664.5	16A - 3P + ⊕	- 6h ● - ⊕	9
SQV 1665.5	16A - 3P + N + ⊕	- 6h ● - ⊕	9
SQV 3293.5	32A - 2P + ⊕	- 9h ● - ⊕	1
SQV 3264.5	32A - 3P + ⊕	- 6h ● - ⊕	9
SQV 3265.5	32A - 3P + N + ⊕	- 6h ● - ⊕	9
480÷500V ~ - 50 and 60 Hz - black			
SQV 1674.5	16A - 3P + ⊕	- 7h ● - ⊕	1
SQV 1675.5	16A - 3P + N + ⊕	- 7h ● - ⊕	1
SQV 3274.5	32A - 3P + ⊕	- 7h ● - ⊕	1
SQV 3275.5	32A - 3P + N + ⊕	- 7h ● - ⊕	1

◇ The articles with hour position 6h refer to the rated voltage (2P+⊕/220÷250V ~ - 3P+⊕ and 3P+N+⊕/380÷415V ~ -)  
To mount these sockets on the wall, the additional back box SQC 923 CS is required

### spare switch

BKR 432 ZF	4 x 32A - for all types	1
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<p>FM 1043 SQV page 43</p>	<p>FM 2451 DSQV page 43</p>	<p>FM 3251 DSQV page 43</p>	<p>FM 4272 SQV page 43</p>	<p>FC 2542 QV FC 2542 QVT</p>	<p>FC 2525 QV</p>	<p>QM V S2</p>	<p>QP V - QG V page 78</p>
<p>FM 1043 DSQV page 43</p>	<p>FM 2451 SQV page 43</p>	<p>FM 3251 SQV page 43</p>		<p>SQC 923 CS page 39</p>		<p>SQC 923 CS page 39</p>	



# FM summary for choice of required box and corresponding plug types

Composition of the part No.: e.g. **FM 3251 SQV**

article series \_\_\_\_\_  
box system format \_\_\_\_\_  
box system version \_\_\_\_\_

in the below table you find the possible combinations among different boxes and the corresponding plugs or accessories on the small covers (not included) it is possible to mount the components as for the table, but also the following:  
 - extra low voltage flush-mounting sockets (see page 17)  
 - inclined flush-mounting sockets (see pages 10-29)  
 - straight flush-mounting sockets (see pages 11-29)

suitable socket-outlets		box systems' size					
type	description	dimensions 100x430x95 mm	dimensions 320x360x135 mm	dimensions 240x510x135 mm	dimensions 320x510x135 mm	dimensions 420x720x135 mm	dimensions 320x210x135 mm
		room for modular devices					
		1 x 4 modules *)	1 x 12 modules	1 x 9 modules *	1 x 12 modules *	2 x 18 modules	1 x 12 modules
interlocked switched socket-outlets	<b>SQ</b> without fuse carrier 16A IP44 (page 21)		<b>FM 3236 SQ</b> 	<b>FM 2451 SQ</b> 	<b>FM 3251 SQ</b> 	<b>FM 4272 SQ</b> 	
	<b>SQE</b> - without fuse carrier 16A and 32A - IP44 / IP55 (page 22)	<b>FM 1043 SQV</b> 		<b>FM 2451 SQV **)</b> <b>FM 2451 DSQV **)</b> 	<b>FM 3251 SQV **)</b> <b>FM 3251 DSQV **)</b> 	<b>FM 4272 SQV **)</b> 	
	<b>SQV</b> - with fuse carrier 16A and 32A - IP44 / IP55 (page 23)	<b>FM 1043 DSQV</b> 					
	<b>SQT</b> - with safety transformer 16A - IP55 (page 21)						
built-in straight socket-outlets	<b>PQ</b> flange 80x80 mm 16A and 32A - IP44 / IP67 (page 11)	<b>FM 1043 PQ ***)</b> 					<b>FM 3221</b> 
	<b>PQF</b> flange 80x80 mm 16A - IP44 and IP67 (page 29)						
built-in inclined socket-outlets	<b>PI</b> flange 90x100 mm 16A and 32A IP44 and IP67 (page 10)		<b>FM 3236 PI</b> 	<b>FM 2451 PI</b> <b>FM 2451 PIN ****)</b> 	<b>FM 3251 PI</b> 	<b>FM 4272 PI</b> 	
	<b>PIF</b> flange 90x100 mm 16A IP44 and IP67 (page 29)						
	<b>PI</b> flange 64x82 mm 16A (2P+⊕, 3P+⊕) IP44 and IP67 (page 10)		<b>FM 3236 PIN ****)</b> 				

\*) DSQV box without room for modular equipments  
 \*\*) two socket-outlets 32A - IP55 cannot be mounted side by side  
 \*\*\*) two socket-outlets 32A - 3P+N+⊕ - IP67 cannot be mounted side by side  
 \*\*\*\*) two socket-outlets 16A - 3P+⊕ - IP67 can be mounted side by side in the two central rooms

For technical data-sheet and further information please look at our technical catalogues on website [www.ilme.com](http://www.ilme.com)



# FM distribution box systems

- in compliance with the Italian standards CEI 23-48 and CEI 23-49 (experimental standard)
- in insulating thermoplastic self-extinguishing resin, grey RAL 7035
- for flush-mounting, wall-mounting, or the box can be carried by using the proper handle (optional)
- rooms for modular equipment (17.5 mm) with transparent lockable inspection door (except for format 1043)
- with Italian Quality Mark (in compliance with the Italian standard CEI 23-48, corresponding to the International standard IEC 60670)

drawing

ILME part No.

description

packaging

## distribution box systems

Degree of protection IP55 (EN 60529), they can assume, once installed, different degrees of protection according to the mounted devices. It is possible to obtain completely insulated box system suitable to the realisation of equipments assembled according to EN 60439 and can be used in environments with higher risk in case of fire (Italian standard CEI 64-8).

The DIN-rail EN 60715 can be placed at different levels in order to mount devices with protrusion 53-68-83-98.5 mm.

The cover of the small boxes is fixed with screws, other types have a hinged cover which can be fixed on the required side.

The box systems are supplied with:

- sized DIN-rail EN 60715 with fixing screws
- small frontal plates to cover modular spaces
- insulating hinges (not foreseen for boards format 1043)
- blanking plugs to cover internal mounting holes

### format 1043 - dimensions 100x430x95 mm

FM 1043 CL	one room for 4 modules - lid smooth on the front, alveolated on the rear - Ⓢ (CEI 23-48)	4
FM 1043 PQ	one room for 4 modules - three rooms for PQF-PQ sockets 80 x 80 mm- Ⓢ (CEI 23-48)	4
FM 1043 SQV	one room for 4 modules - one room for SQE - SQV - SQT sockets- Ⓢ (CEI 23-48)	4
FM 1043 DSQV	derivation - one room for SQE - SQV - SQT sockets - Ⓢ (CEI 23-48)	4

### format 3236 - dimensions 320x360x135 mm

FM 3236 CL	one room for 12 modules - lid smooth on the front, alveolated on the rear - Ⓢ (CEI 23-48)	1
FM 3236 SQ	one room for 12 modules - two rooms for SQ sockets - Ⓢ (CEI 23-48)	1
FM 3236 PI	one room for 12 modules - three rooms for PIF-PI 90 x 100 mm sockets- Ⓢ (CEI 23-48)	1
FM 3236 PIN	one room for 12 modules - four rooms for PI 64 x 82 mm sockets - Ⓢ (CEI 23-48)	1

### format 2451 - dimensions 240x510x135 mm

FM 2451 CL	one room for 9 modules - lid smooth on the front, alveolated on the rear - Ⓢ (CEI 23-48)	1
FM 2451 SQ	one room for 9 modules - two rooms for SQ sockets - Ⓢ (CEI 23-48)	1
FM 2451 SQV	one room for 9 modules - two rooms for SQE - SQV - SQT sockets - Ⓢ (CEI 23-48)	1
FM 2451 DSQV	derivation - two rooms for SQE - SQV - SQT sockets - Ⓢ (CEI 23-48)	1
FM 2451 PI	one room for 9 modules - four rooms for PIF-PI 90 x 100 mm sockets - Ⓢ (CEI 23-48)	1
FM 2451 PIN	one room for 9 modules - six rooms for PI 64 x 82 mm sockets - Ⓢ (CEI 23-48)	1

### format 3251 - dimensions 320x510x135 mm

FM 3251 CL	one room for 12 modules - lid smooth on the front, alveolated on the rear - Ⓢ (CEI 23-48)	1
FM 3251 SQ	one room for 12 modules - four rooms for SQ sockets - Ⓢ (CEI 23-48)	1
FM 3251 SQV	one room for 12 modules - three rooms for SQE - SQV - SQT sockets - Ⓢ (CEI 23-48)	1
FM 3251 DSQV	derivation - three rooms for SQE - SQV - SQT sockets - Ⓢ (CEI 23-48)	1
FM 3251 PI	one room for 12 modules - six rooms for PIF-PI 90 x 100 mm sockets - Ⓢ (CEI 23-48)	1

### format 4272 - dimensions 420x720x135 mm

FM 4272 CL	two rooms for 18 modules - lid smooth on the front, alveolated on the rear - Ⓢ (CEI 23-48)	1
FM 4272 SQ	two rooms for 18 modules - four rooms for SQ sockets - Ⓢ (CEI 23-48)	1
FM 4272 SQV	two rooms for 18 modules - four rooms for SQE - SQV - SQT sockets - Ⓢ (CEI 23-48)	1
FM 4272 PI	two rooms for 18 modules - eight rooms for PIF-PI 90 x 100 mm sockets - Ⓢ (CEI 23-48)	1







### supplementary box system - dimensions 320x210x135 mm

FM 3221	one room for 12 modules - Ⓢ (CEI 23-48)	1
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FM  
accessories  
for distribution  
box systems

drawing	ILME part No.	description	packaging
<b>accessories for FM distribution box systems</b>			
<b>insulated terminal block with multiple fixing screws for neutral and/or earth (IEC 998-2-1)</b>			
	<b>FM 2510 MI</b>	3 poli 25 mm <sup>2</sup> + 10 poli 10 mm <sup>2</sup> - isolam. nom. = 450V	1
<b>DIN-rail EN 60715</b>			
	<b>FM GD 18</b>	provided with fixing screws and supports (FM 2451)	1
	<b>FM GD 25</b>	provided with fixing screws and supports (FM 3236-3251-3221)	1
	<b>FM GD 35</b>	provided with fixing screws and supports (FM 4272)	1
<b>frame for flush-mounting</b>			
	<b>FM 3236 CI</b>	for format 3236 box system	1
	<b>FM 2451 CI</b>	for format 2451 box system	1
	<b>FM 3251 CI</b>	for format 3251 box system	1
<b>handle</b>			
	<b>FM 32 MT</b>	for carrying box systems	1
<b>climbing iron for boxes</b>			
	<b>BC SFT</b>	climbing iron for external wall mounting supplied with fixing screws	1
<b>collar</b>			
	<b>FM 1043 CO</b>	for format 1043 box system	10
<b>screws kit</b>			
	<b>FM 416</b>	for mounting sockets PQ-PI-PQF-PIF series	10
<b>adhesive label</b>			
	<b>FM 18 ET</b>	for the identification of the mounted modular devices	10
<b>kit for box piercing</b>			
	<b>FC KFQ</b>	composed of: - tool for holes flaring	1
		- cutter for holes from Pg 7 to Pg 29	
		Pg 7 - 9 - 11 - 13.5 - 16 - 21 - 29	
		Ø (mm) 13.6 - 15.7 - 19.1 - 21.9 - 23 - 29.3 - 38	
		- cutter for holes from M 6 to M 40	
		M 6 - 8 - 10 - 12 - 14 - 16 - 20 - 25 - 32 - 36 - 40	
		Ø (mm) 6.5 - 8.5 - 10.5 - 12.5 - 14.5 - 16.5 - 20.5 - 25.5 - 32.5 - 36.5 - 40.5	



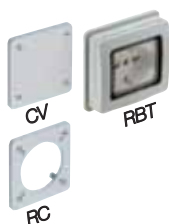
# FM accessories for distribution box systems

drawing	ILME part No.	description	packaging
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## accessories for FM distribution box systems



small covers for FM 3236-2451 PIN box systems			
<b>FM 68 CV</b>		for room 64 x 82 mm - smooth, for Schuko® ABL socket - with gasket and screws	1



small covers for FM 1043 PQ box systems			
<b>FM 88 CV</b>		for room 80 x 80 mm - smooth, for Schuko® ABL - with gasket and screws	1
<b>FM 88 RQ</b>		for room 80 x 80 mm - for straight flush-mounting socket-outlets	1
<b>FM 88 RC</b>		for room 80 x 80 mm - for domestic appliance carrier GW 27401 and BTCQ 25502 type - with gasket and screws	1
<b>FM 88 RBT</b>		for room 80 x 80 mm - with BT CQ 25502 cover and Schuko® socket	1



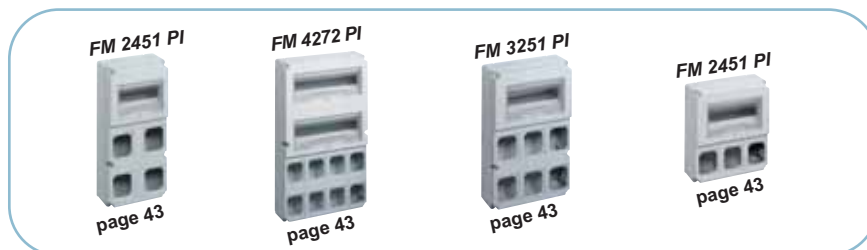
small covers for FM 1043 DSQV box systems			
<b>FM 811 CV</b>		for room 83 x 110 mm - for straight flush-mounting socket-outlets - with gasket and screws	1



**NEW**



small covers for FM 3236-2451-3251-4272 PI box systems			
<b>FM 910 CVU</b>		for room 90 x 100 mm - smooth, with a central hollow - with gasket and screws	1
<b>FM 910 CV</b>		for room 90 x 100 mm - smooth, for straight flush-mounting socket-outlets - with gasket and screws	1
<b>FM 910 RI</b>		for room 90 x 100 mm - reduction, for inclined flush-mounting socket-outlets	1
<b>FM 910 RC</b>		for room 90 x 100 mm - for domestic appliance carrier GW 27401 and BTCQ 25502 type - with gasket and screws	1
<b>FM 910 RBT</b>		for room 90 x 100 mm - with BT CQ 25502 cover and Schuko® socket	1
<b>FM 910 CVF</b>		for room 90 x 100 mm - for Legrand 90335 socket	1
<b>FM 910 RAV</b>		for room 90 x 100 mm - with Ave 45SP42K cover and Schuko® socket 45590/15TS	1





FM  
accessories  
for distribution  
box systems

drawing

ILME  
part No.

description

packaging

accessories for FM distribution box systems

small covers for FM 3236-2451-3251-4272 SQ box systems

FM 1114 CV	for room 115 x 144 mm - smooth, for flush-mounting socket-outlet - with gasket and screws	1
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CV

NEW



FM 3236 SQ  
page 43

FM 2451 SQ  
page 43

FM 3251 SQ  
page 43

FM 4272 SQ  
page 43

small covers for FM 1043-2451-3251-4272 SQV - 1043-2451-3251 DSQV box systems

FM 923 CVU	for room 88 x 230 mm - smooth, with a central hollow - with gasket and screws	1
FM 923 CV	for room 88 x 230 mm - smooth, for straight flush-mounting socket-outlet - with gasket and screws	1
FM 923 CVF	for room 88 x 230 mm - for Legrand 90335 socket	1
FM 923 RAV	for room 88 x 230 mm - with Ave 45SP42K covers and 45590/15TS Schuko® socket	1
FM 923 RBT	for room 88 x 230 mm - with two BT CQ 25502 covers and Schuko® sockets	1



CV

CVU

CVF

RAV

RBT



FM 1043 SQV  
page 43

FM 2451 DSQV  
page 43

FM 3251 DSQV  
page 43

FM 4272 SQV  
page 43

FM 1043 DSQV  
page 43

FM 2451 SQV  
page 43

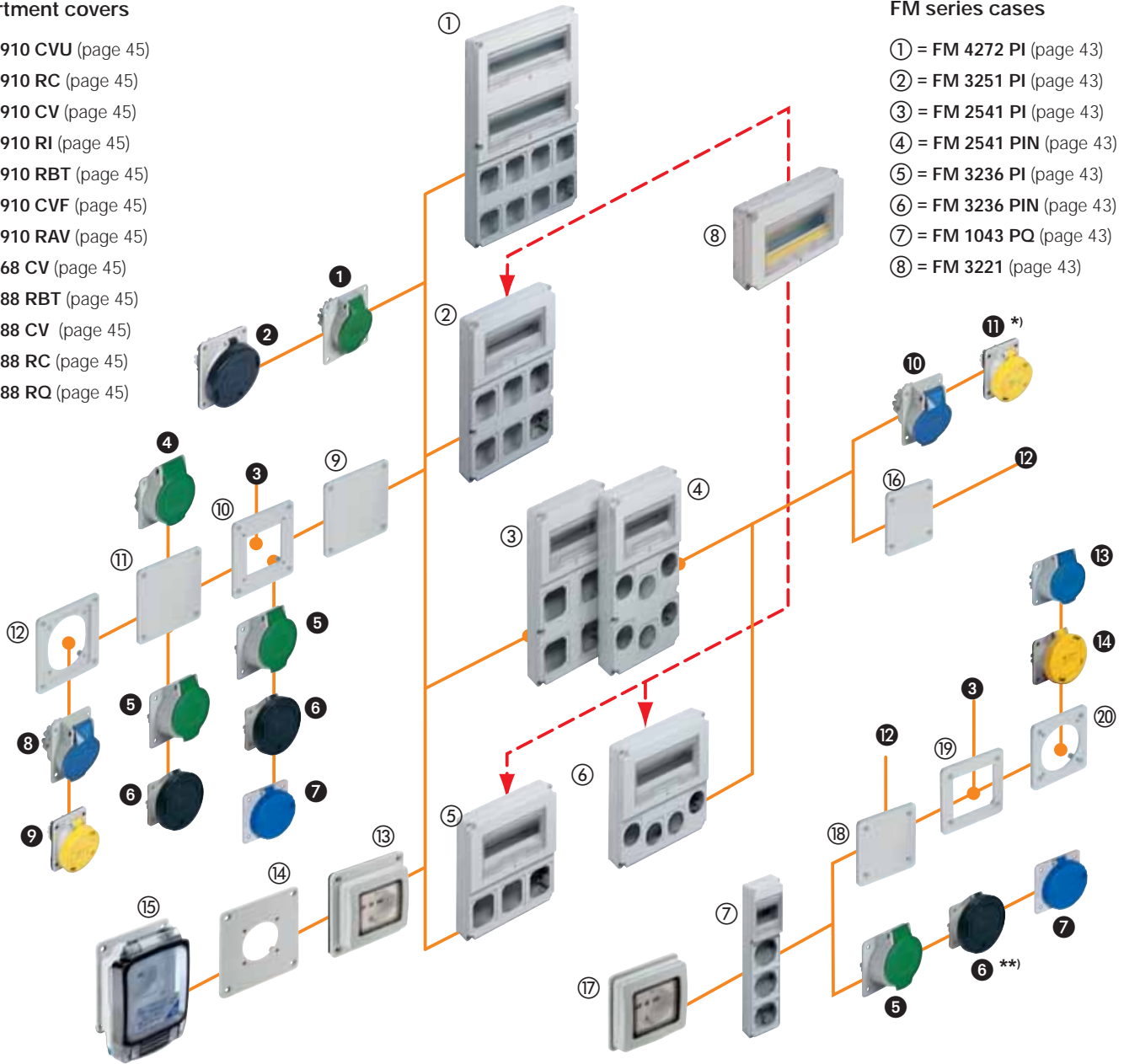
FM 3251 SQV  
page 43

### Compartment covers

- ⑨ = FM 910 CVU (page 45)
- ⑩ = FM 910 RC (page 45)
- ⑪ = FM 910 CV (page 45)
- ⑫ = FM 910 RI (page 45)
- ⑬ = FM 910 RBT (page 45)
- ⑭ = FM 910 CVF (page 45)
- ⑮ = FM 910 RAV (page 45)
- ⑯ = FM 68 CV (page 45)
- ⑰ = FM 88 RBT (page 45)
- ⑱ = FM 88 CV (page 45)
- ⑲ = FM 88 RC (page 45)
- ⑳ = FM 88 RQ (page 45)

### FM series cases

- ① = FM 4272 PI (page 43)
- ② = FM 3251 PI (page 43)
- ③ = FM 2541 PI (page 43)
- ④ = FM 2541 PIN (page 43)
- ⑤ = FM 3236 PI (page 43)
- ⑥ = FM 3236 PIN (page 43)
- ⑦ = FM 1043 PQ (page 43)
- ⑧ = FM 3221 (page 43)



### Complementary parts

ref.	Type	With fixing distance between centres (mm)	Field of application	Part No.	Rated current	Degree of protection	Catalogue index
①	Inclined socket-outlets	77 x 85 <b>B</b>	Low voltage	PE...PIF/PI types	16A and 32A	IP44	Pages 48-49
②	Inclined socket-outlets	77 x 85 <b>B</b>	Low voltage	PEW...PIF/PI types	16A and 32A	IP67	Pages 48-49
③	Domestic appliance carrier	60 x 60 <b>D</b>	Low voltage	GW 27401 and BT CQ 25502 type	---	---	---
④	Straight outlet-sockets	45 x 45 <b>E</b>	Extra-low voltage	PB...PI types	16A and 32A	IP44	Page 21
⑤	Straight outlet-sockets	60 x 60 <b>D</b>	Low voltage	PE...PQF/PQ types	16A and 32A	IP44	Pages 50-51
⑥	Straight outlet-sockets	60 x 60 <b>D</b>	Low voltage	PEW...PQF/PQ types	16A and 32A	IP67	Pages 50-51
⑦	Straight socket-outlets	60 x 60 <b>D</b>	Low voltage	PEW 216 PQF types	10/16A	IP67	Page 50
⑧	Inclined socket-outlets	52 x 60 <b>A</b>	Low voltage	PE...PI types	16A and 32A	IP44	Page 49
⑨	Inclined socket-outlets	52 x 60 <b>A</b>	Low voltage	PEW...PI types	16A and 32A	IP67	Page 49
⑩	Inclined socket-outlets	52 x 60 <b>A</b>	Low voltage	PE...PI types	16A	IP44	Page 49
⑪	Inclined socket-outlets	52 x 60 <b>A</b>	Low voltage	PEW...PI types	16A	IP67	Page 49
⑫	Straight socket-outlets	38 x 38 -	Low voltage	Schuko® type (compact)	10/16A	IP44	---
⑬	Straight socket-outlets	52 x 52 <b>C</b>	Low voltage	PE...PQ types	16A	IP44	Page 51
⑭	Straight socket-outlets	52 x 52 <b>C</b>	Low voltage	PEW...PQ types	16A	IP67	Page 51

\*) Two 16A socket-outlets, 3P+⊕, IP67, cannot be mounted side by side.

\*\*) Two 32A socket-outlets, 3P+N+⊕, IP67, cannot be mounted side by side.

For technical data-sheet and further information please look at our technical catalogues on website [www.ilme.com](http://www.ilme.com)





# FM socket-outlets for distribution box systems

- in compliance with European standards EN 60309-1 and -2
- body, insert and spring lid in insulating thermoplastic self-extinguishing material
- flange with anti-aging gasket
- fixing screws bag provided for FM boxes: page 44
- splashproof types: spring lid
- watertight types: spring lid with locking ring and gasket
- with Italian Quality Mark

drawing      ILME part No.      description      packaging

## inclined flush-mounting sockets - splashproof IP44 (EN 60529)



16A

100÷130V ~ - 50 and 60 Hz - yellow		
PE 1643 PIF	16A - 2P + ⊕ - 4h ● - flange 90x100 mm - Ⓟ ⓑ	10
PE 1644 PIF	16A - 3P + ⊕ - 4h ● - flange 90x100 mm - Ⓟ ⓑ	10
200÷250V ~ - 50 and 60 Hz - blue		
PE 1663 PIF	16A - 2P + ⊕ - 6h ● - flange 90x100 mm - Ⓟ ⓑ ◇	10
PE 1694 PIF	16A - 3P + ⊕ - 9h ● - flange 90x100 mm - Ⓟ ⓑ	10
380÷415V ~ - 50 and 60 Hz - red		
PE 1693 PIF	16A - 2P + ⊕ - 9h ● - flange 90x100 mm - Ⓟ ⓑ	10
PE 1664 PIF	16A - 3P + ⊕ - 6h ● - flange 90x100 mm - Ⓟ ⓑ ◇	10
480÷500V ~ - 50 and 60 Hz - black		
PE 1674 PIF	16A - 3P + ⊕ - 7h ● - flange 90x100 mm - Ⓟ ⓑ	10


## inclined flush-mounting sockets - watertight IP67 (EN 60529)



16A


100÷130V ~ - 50 and 60 Hz - yellow		
PEW 1643 PIF	16A - 2P + ⊕ - 4h ● - flange 90x100 mm - Ⓟ ⓑ	10
PEW 1644 PIF	16A - 3P + ⊕ - 4h ● - flange 90x100 mm - Ⓟ ⓑ	10
200÷250V ~ - 50 and 60 Hz - blue		
PEW 1663 PIF	16A - 2P + ⊕ - 6h ● - flange 90x100 mm - Ⓟ ⓑ ◇	10
PEW 1694 PIF	16A - 3P + ⊕ - 9h ● - flange 90x100 mm - Ⓟ ⓑ	10
380÷415V ~ - 50 and 60 Hz - red		
PEW 1693 PIF	16A - 2P + ⊕ - 9h ● - flange 90x100 mm - Ⓟ ⓑ	10
PEW 1664 PIF	16A - 3P + ⊕ - 6h ● - flange 90x100 mm - Ⓟ ⓑ ◇	10
480÷500V ~ - 50 and 60 Hz - black		
PEW 1674 PIF	16A - 3P + ⊕ - 7h ● - flange 90x100 mm - Ⓟ ⓑ	10

**B** 90 x 100 mm




FM 2451 PI

page 43




FM 4272 PI

page 43



FM 3251 PI

page 43



FM 2451 PI

page 43



# PLUSO plugs and socket-outlets for industrial purposes low voltage

- in compliance with European standards EN 60309-1 and -2
- body, insert and spring lid in insulating thermoplastic self-extinguishing material
- flange with anti-aging gasket
- fixing screws bag provided for FM boxes: page 44
- splashproof types: spring lid
- watertight types: Spring lid with locking ring and gasket
- with Italian Quality Mark

picture ILME part No. description packaging



16A-32A

## inclined flush-mounting sockets - splashproof IP44 (EN 60529)

100÷130V ~ - 50 and 60 Hz - yellow			
PE 1643 PI	16A - 2P + ⊕	- 4h ● - flange 64x82 mm -	10
PE 1644 PI	16A - 3P + ⊕	- 4h ● - flange 64x82 mm -	10
PE 1645 PI	16A - 3P + N + ⊕	- 4h ● - flange 90x100 mm -	10
PE 3243 PI	32A - 2P + ⊕	- 4h ● - flange 90x100 mm -	10
PE 3244 PI	32A - 3P + ⊕	- 4h ● - flange 90x100 mm -	10
PE 3245 PI	32A - 3P + N + ⊕	- 4h ● - flange 90x100 mm -	10
200÷250V ~ - 50 and 60 Hz - blue			
PE 1663 PI	16A - 2P + ⊕	- 6h ● - flange 64x82 mm -	20
PE 1694 PI	16A - 3P + ⊕	- 9h ● - flange 64x82 mm -	10
PE 1695 PI	16A - 3P + N + ⊕	- 9h ● - flange 90x100 mm -	10
PE 3263 PI	32A - 2P + m	- 6h ● - flange 90x100 mm -	10
PE 3294 PI	32A - 3P + ⊕	- 9h ● - flange 90x100 mm -	10
PE 3295 PI	32A - 3P + N + ⊕	- 9h ● - flange 90x100 mm -	10
380÷415V ~ - 50 and 60 Hz - red			
PE 1693 PI	16A - 2P + ⊕	- 9h ● - flange 64x82 mm -	10
PE 1664 PI	16A - 3P + ⊕	- 6h ● - flange 64x82 mm -	10
PE 1665 PI	16A - 3P + N + ⊕	- 6h ● - flange 90x100 mm -	10
PE 3293 PI	32A - 2P + ⊕	- 9h ● - flange 90x100 mm -	10
PE 3264 PI	32A - 3P + ⊕	- 6h ● - flange 90x100 mm -	10
PE 3265 PI	32A - 3P + N + ⊕	- 6h ● - flange 90x100 mm -	10
480÷500V ~ - 50 and 60 Hz - black			
PE 1674 PI	16A - 3P + ⊕	- 7h ● - flange 64x82 mm -	10
PE 1675 PI	16A - 3P + N + ⊕	- 7h ● - flange 90x100 mm -	10
PE 3274 PI	32A - 3P + ⊕	- 7h ● - flange 90x100 mm -	10
PE 3275 PI	32A - 3P + N + ⊕	- 7h ● - flange 90x100 mm -	10



16A-32A  
63A-125A

## inclined flush-mounting sockets - watertight IP67 (EN 60529)

100÷130V ~ - 50 and 60 Hz - yellow			
PEW 1643 PI	16A - 2P + ⊕	- 4h ● - flange 64x82 mm -	10
PEW 1644 PI	16A - 3P + ⊕	- 4h ● - flange 64x82 mm -	10
PEW 1645 PI	16A - 3P + N + ⊕	- 4h ● - flange 90x100 mm -	10
PEW 3243 PI	32A - 2P + ⊕	- 4h ● - flange 90x100 mm -	10
PEW 3244 PI	32A - 3P + ⊕	- 4h ● - flange 90x100 mm -	10
PEW 3245 PI	32A - 3P + N + ⊕	- 4h ● - flange 90x100 mm -	10
200÷250V ~ - 50 and 60 Hz - blue			
PEW 1663 PI	16A - 2P + ⊕	- 6h ● - flange 64x82 mm -	10
PEW 1694 PI	16A - 3P + ⊕	- 9h ● - flange 64x82 mm -	10
PEW 1695 PI	16A - 3P + N + ⊕	- 9h ● - flange 90x100 mm -	10
PEW 3263 PI	32A - 2P + ⊕	- 6h ● - flange 90x100 mm -	10
PEW 3294 PI	32A - 3P + ⊕	- 9h ● - flange 90x100 mm -	10
PEW 3295 PI	32A - 3P + N + ⊕	- 9h ● - flange 90x100 mm -	10
380÷415V ~ - 50 and 60 Hz - red			
PEW 1693 PI	16A - 2P + ⊕	- 9h ● - flange 64x82 mm -	10
PEW 1664 PI	16A - 3P + ⊕	- 6h ● - flange 64x82 mm -	10
PEW 1665 PI	16A - 3P + N + ⊕	- 6h ● - flange 90x100 mm -	10
PEW 3293 PI	32A - 2P + ⊕	- 9h ● - flange 90x100 mm -	10
PEW 3264 PI	32A - 3P + ⊕	- 6h ● - flange 90x100 mm -	10
PEW 3265 PI	32A - 3P + N + ⊕	- 6h ● - flange 90x100 mm -	10
480÷500V ~ - 50 and 60 Hz - black			
PEW 1674 PI	16A - 3P + ⊕	- 7h ● - flange 64x82 mm -	10
PEW 1675 PI	16A - 3P + N + ⊕	- 7h ● - flange 90x100 mm -	10
PEW 3274 PI	32A - 3P + ⊕	- 7h ● - flange 90x100 mm -	10
PEW 3275 PI	32A - 3P + N + ⊕	- 7h ● - flange 90x100 mm -	10

◇ The articles with hour position 6h refer to the rated voltage (2P+⊕/220÷250V - - 3P+⊕ and 3P+N+⊕/380÷415V -) 16A and 32A versions with nickel-plated contacts can be supplied on request  
Other executions not listed here but foreseen by the norm can be supplied on request.

**A** 64 x 82 mm

**FM 2451 PIN**   **FM 3236 PIN**

page 43

**B** 90 x 100 mm

**A** 64 x 82 mm with cover FM 910 RI page 45

page 43   page 43   page 43   page 43

- On request socket type **A** with flange 90 x 100 mm, the part number change from PI to PIF. See page 48.



# FM socket-outlets for distribution box systems

- in compliance with European standards EN 60309-1 and -2
- body, insert and spring lid in insulating thermoplastic self-extinguishing material
- flange with anti-aging gasket
- fixing screws bag provided for FM boxes: page 44
- splashproof types: spring lid
- watertight types: spring lid with locking ring and gasket
- with Italian Quality Mark

drawing      ILME part No.      description      packaging



16A

## straight flush-mounting sockets - splashproof IP44 (EN 60529)

100÷130V ~ - 50 and 60 Hz - yellow		
PE 1643 PQF	16A - 2P + ⊕ - 4h ● - flange 80x80 mm -	10
PE 1644 PQF	16A - 3P + ⊕ - 4h ● - flange 80x80 mm -	10
200÷250V ~ - 50 and 60 Hz - blue		
PE 1663 PQF	16A - 2P + ⊕ - 6h ● - flange 80x80 mm -   ◇	10
PE 1694 PQF	16A - 3P + ⊕ - 9h ● - flange 80x80 mm -	10
380÷415V ~ - 50 and 60 Hz - red		
PE 1693 PQF	16A - 2P + ⊕ - 9h ● - flange 80x80 mm -	10
PE 1664 PQF	16A - 3P + ⊕ - 6h ● - flange 80x80 mm -   ◇	10
480÷500V ~ - 50 and 60 Hz - black		
PE 1674 PQF	16A - 3P + ⊕ - 7h ● - flange 80x80 mm -	10



16A

## straight flush-mounting sockets - watertight IP67 (EN 60529)

100÷130V ~ - 50 and 60 Hz - yellow		
PEW 1643 PQF	16A - 2P + ⊕ - 4h ● - flange 80x80 mm -	10
PEW 1644 PQF	16A - 3P + ⊕ - 4h ● - flange 80x80 mm -	10
200÷250V ~ - 50 and 60 Hz - blue		
PEW 1663 PQF	16A - 2P + ⊕ - 6h ● - flange 80x80 mm -   ◇	10
PEW 1694 PQF	16A - 3P + ⊕ - 9h ● - flange 80x80 mm -	10
380÷415V ~ - 50 and 60 Hz - red		
PEW 1693 PQF	16A - 2P + ⊕ - 9h ● - flange 80x80 mm -	10
PEW 1664 PQF	16A - 3P + ⊕ - 6h ● - flange 80x80 mm -   ◇	10
480÷500V ~ - 50 and 60 Hz - black		
PEW 1674 PQF	16A - 3P + ⊕ - 7h ● - flange 80x80 mm -	10

◇ The articles with hour position 6h refer to the rated voltage (2P+⊕/220÷250V ~ - 3P+⊕ and 3P+N+⊕/380÷415V ~ -)



16A

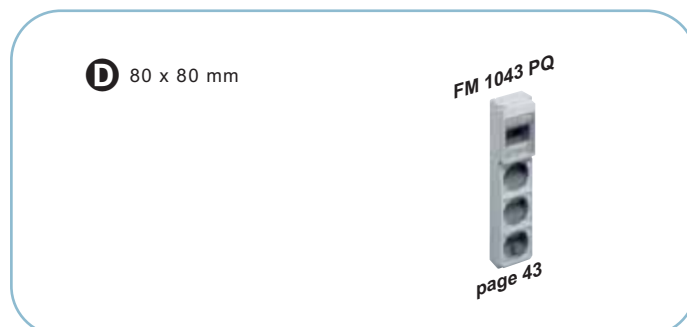
## straight flush-mounting domestic socket SCHUKO® watertight IP67 (EN 60529)

in compliance with German standard VDE 0620

250V ~ - 50 and 60 Hz - blue		
PEW 216 PQF	2 x 10-16A + ⊕ - flange 80x80 mm	10

Types 16A with nickel-plated contacts can be supplied on request

FM





# PLUSO plugs and socket-outlets for industrial purposes low voltage

- in compliance with European standards EN 60309-1 and -2
- body, insert and spring lid in insulating thermoplastic self-extinguishing material
- flange with anti-aging gasket
- fixing screws bag provided for FM boxes: page 44
- splashproof types: spring lid
- watertight types: spring lid with locking ring and gasket
- with Italian Quality Mark

picture ILME part No. description packaging



16A-32A

## straight flush-mounting sockets - splashproof IP44 (EN 60529))

100÷130V ~ - 50 and 60 Hz - yellow			
PE 1643 PQ	16A - 2P + ⊕	- 4h ● - flange 65x65 mm - ⊕ C	50
PE 1644 PQ	16A - 3P + ⊕	- 4h ● - flange 65x65 mm - ⊕ C	10
PE 1645 PQ	16A - 3P + N + ⊕	- 4h ● - flange 80x80 mm - ⊕ D	10
PE 3243 PQ	32A - 2P + ⊕	- 4h ● - flange 80x80 mm - ⊕ D	10
PE 3244 PQ	32A - 3P + ⊕	- 4h ● - flange 80x80 mm - ⊕ D	10
PE 3245 PQ	32A - 3P + N + ⊕	- 4h ● - flange 80x80 mm - ⊕ D	10
200÷250V ~ - 50 and 60 Hz - blue			
PE 1663 PQ	16A - 2P + ⊕	- 6h ● - flange 65x65 mm - ⊕ C ◇	50
PE 1694 PQ	16A - 3P + ⊕	- 9h ● - flange 65x65 mm - ⊕ C	10
PE 1695 PQ	16A - 3P + N + ⊕	- 9h ● - flange 80x80 mm - ⊕ D	10
PE 3263 PQ	32A - 2P + ⊕	- 6h ● - flange 80x80 mm - ⊕ D ◇	10
PE 3294 PQ	32A - 3P + ⊕	- 9h ● - flange 80x80 mm - ⊕ D	10
PE 3295 PQ	32A - 3P + N + ⊕	- 9h ● - flange 80x80 mm - ⊕ D	10
380÷415V ~ - 50 and 60 Hz - red			
PE 1693 PQ	16A - 2P + ⊕	- 9h ● - flange 65x65 mm - ⊕ C	10
PE 1664 PQ	16A - 3P + ⊕	- 6h ● - flange 65x65 mm - ⊕ C ◇	10
PE 1665 PQ	16A - 3P + N + ⊕	- 6h ● - flange 80x80 mm - ⊕ D ◇	10
PE 3293 PQ	32A - 2P + ⊕	- 9h ● - flange 80x80 mm - ⊕ D	10
PE 3264 PQ	32A - 3P + ⊕	- 6h ● - flange 80x80 mm - ⊕ D ◇	10
PE 3265 PQ	32A - 3P + N + ⊕	- 6h ● - flange 80x80 mm - ⊕ D ◇	10
480÷500V ~ - 50 and 60 Hz - black			
PE 1674 PQ	16A - 3P + ⊕	- 7h ● - flange 65x65 mm - ⊕ D	10
PE 1675 PQ	16A - 3P + N + ⊕	- 7h ● - flange 80x80 mm - ⊕ D	10
PE 3274 PQ	32A - 3P + ⊕	- 7h ● - flange 80x80 mm - ⊕ D	10
PE 3275 PQ	32A - 3P + N + ⊕	- 7h ● - flange 80x80 mm - ⊕ D	10

## straight flush-mounting sockets - watertight IP67 (EN 60529)



16A-32A  
63A-125A

100÷130V ~ - 50 and 60 Hz - yellow			
PEW 1643 PQ	16A - 2P + ⊕	- 4h ● - flange 65x65 mm - ⊕ C	10
PEW 1644 PQ	16A - 3P + ⊕	- 4h ● - flange 65x65 mm - ⊕ C	10
PEW 1645 PQ	16A - 3P + N + ⊕	- 4h ● - flange 80x80 mm - ⊕ D	10
PEW 3243 PQ	32A - 2P + ⊕	- 4h ● - flange 80x80 mm - ⊕ D	10
PEW 3244 PQ	32A - 3P + ⊕	- 4h ● - flange 80x80 mm - ⊕ D	10
PEW 3245 PQ	32A - 3P + N + ⊕	- 4h ● - flange 80x80 mm - ⊕ D	10
200÷250V ~ - 50 and 60 Hz - blue			
PEW 1663 PQ	16A - 2P + ⊕	- 6h ● - flange 65x65 mm - ⊕ C ◇	10
PEW 1694 PQ	16A - 3P + ⊕	- 9h ● - flange 65x65 mm - ⊕ C	10
PEW 1695 PQ	16A - 3P + N + ⊕	- 9h ● - flange 80x80 mm - ⊕ D	10
PEW 3263 PQ	32A - 2P + ⊕	- 6h ● - flange 80x80 mm - ⊕ D ◇	10
PEW 3294 PQ	32A - 3P + ⊕	- 9h ● - flange 80x80 mm - ⊕ D	10
PEW 3295 PQ	32A - 3P + N + ⊕	- 9h ● - flange 80x80 mm - ⊕ D	10
380÷415V ~ - 50 and 60 Hz - red			
PEW 1693 PQ	16A - 2P + ⊕	- 9h ● - flange 65x65 mm - ⊕ C	10
PEW 1664 PQ	16A - 3P + ⊕	- 6h ● - flange 65x65 mm - ⊕ C ◇	10
PEW 1665 PQ	16A - 3P + N + ⊕	- 6h ● - flange 80x80 mm - ⊕ D ◇	10
PEW 3293 PQ	32A - 2P + ⊕	- 9h ● - flange 80x80 mm - ⊕ D	10
PEW 3264 PQ	32A - 3P + ⊕	- 6h ● - flange 80x80 mm - ⊕ D ◇	10
PEW 3265 PQ	32A - 3P + N + ⊕	- 6h ● - flange 80x80 mm - ⊕ D ◇	10
480÷500V ~ - 50 and 60 Hz - black			
PEW 1674 PQ	16A - 3P + ⊕	- 7h ● - flange 65x65 mm - ⊕ D	10
PEW 1675 PQ	16A - 3P + N + ⊕	- 7h ● - flange 80x80 mm - ⊕ D	10
PEW 3274 PQ	32A - 3P + ⊕	- 7h ● - flange 80x80 mm - ⊕ D	10
PEW 3275 PQ	32A - 3P + N + ⊕	- 7h ● - flange 80x80 mm - ⊕ D	10

◇ The articles with hour position 6h refer to the rated voltage (2P+⊕/220÷250V ~ - 3P+⊕ and 3P+N+⊕/380÷415V ~ -) 16A and 32A versions with nickel-plated contacts can be supplied on request  
Other executions not listed here but foreseen by the norm can be supplied on request.

**D** 80 x 80 mm

**C** 65 x 65 mm  
with cover FM 88 RQ  
page 45

- Socket type **C** with flange 80 x 80 mm on request.  
The part number change from PQ to PQF see pages 50-51

FM 1043 PQ



page 43

**D** 80 x 80 mm with cover FM 910 RC page 45

FM 2451 PI FM 4272 PI FM 3251 PI FM 2451 PI



page 43



page 43



page 43



page 43

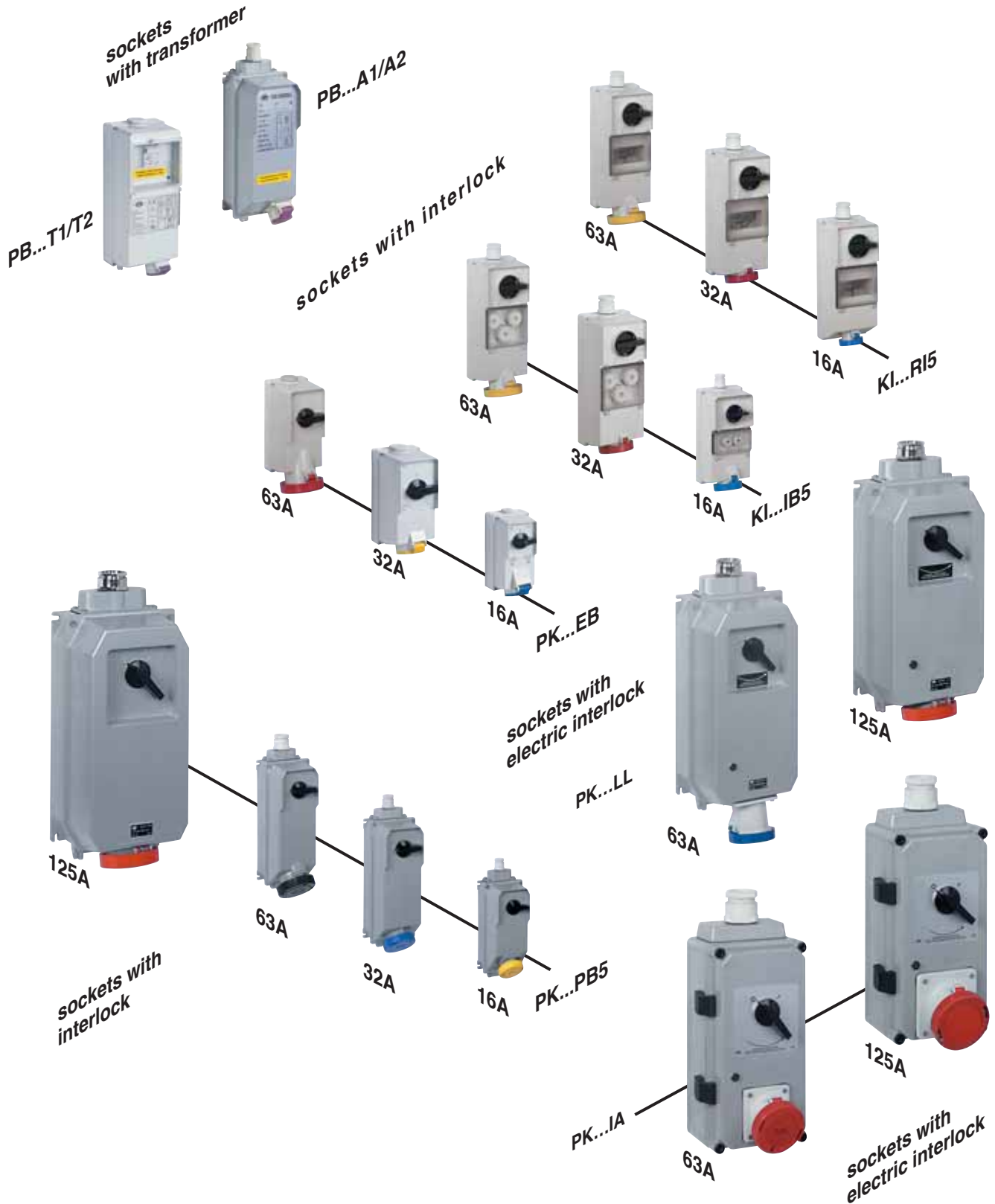


PB - PK - KI  
interlocked switched  
socket-outlets types

Composition of the part No.: e.g.  
(low voltage)

**PK 32 6 5 PB 5**

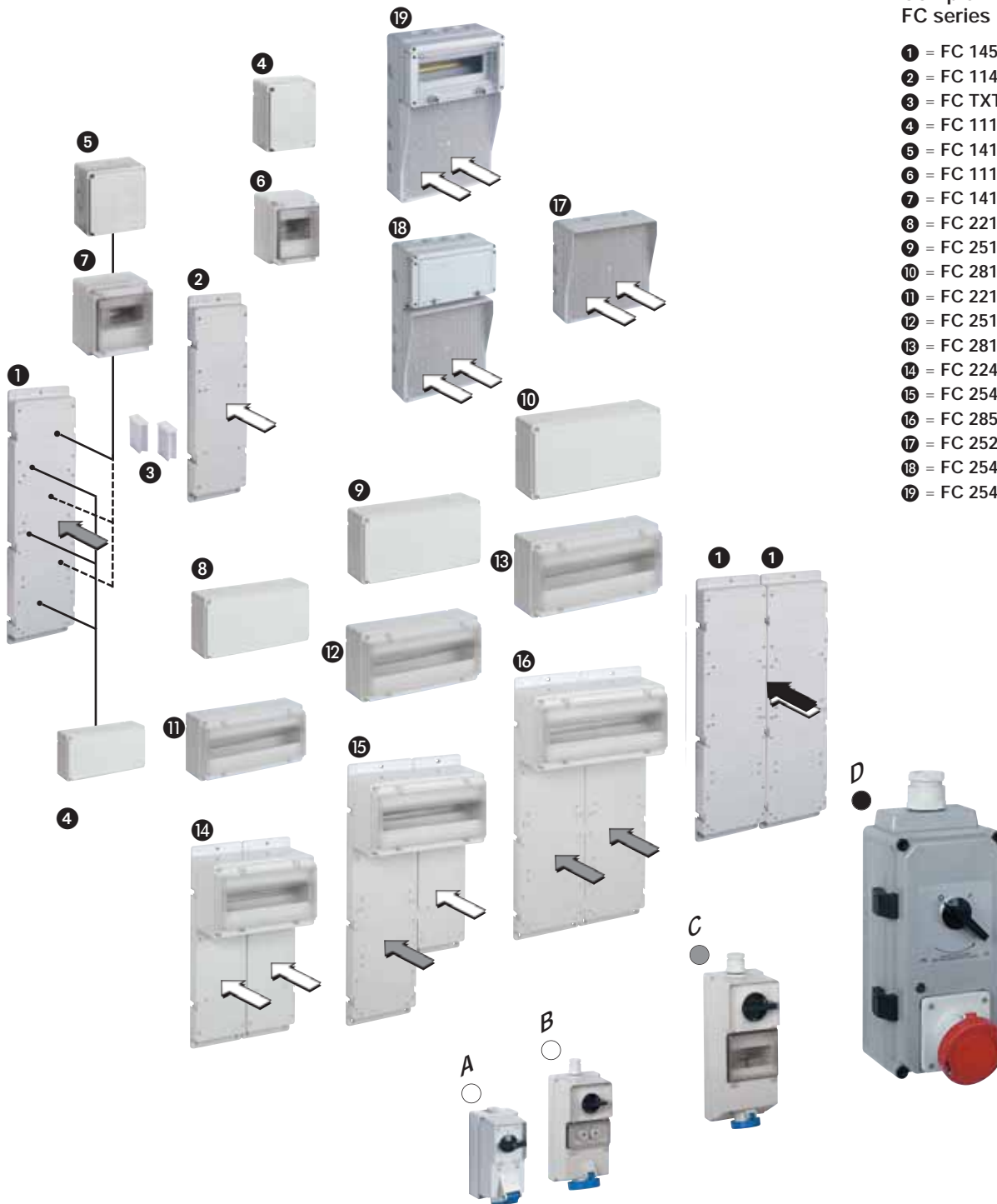
article series \_\_\_\_\_  
rated current in amperes \_\_\_\_\_  
earthing contact position in hours \_\_\_\_\_  
number of poles including the earth \_\_\_\_\_  
socket version \_\_\_\_\_  
degree of protection IP55 \_\_\_\_\_



PB - PK - KI



# FC interlocked switched socket-outlets types and accessories for set mounting



## Complementary parts of FC series

- ① = FC 1453 TB (page 37)
- ② = FC 1141 TB (page 37)
- ③ = FC TXT (page 37)
- ④ = FC 1114 DB/DB5 (page 39)
- ⑤ = FC 1414 DB/DB5 (page 39)
- ⑥ = FC 1114 GB5 (page 38)
- ⑦ = FC 1414 GB5 (page 38)
- ⑧ = FC 2214 DB5 (page 39)
- ⑨ = FC 2514 DB5 (page 39)
- ⑩ = FC 2814 DB5 (page 39)
- ⑪ = FC 2214 GB5 (page 38)
- ⑫ = FC 2514 GB5 (page 38)
- ⑬ = FC 2814 GB5 (page 38)
- ⑭ = FC 2241 DT (page 37)
- ⑮ = FC 2545 DT (page 37)
- ⑯ = FC 2853 DT (page 37)
- ⑰ = FC 2525 MU (page 42)
- ⑱ = FC 2542 RA (page 41)
- ⑲ = FC 2542 RAT (page 41)

### Legend

The above overview shows the matching possibilities among socket-outlets, supports and boxes in order to obtain distribution boards. The coloured point near the socket-outlets indicates their format and the arrows (of the same colour) indicate the mounting possibilities.

- A = socket-outlets with fixing base dimensions 166 x 88 mm
- B = socket-outlets with fixing base dimensions 228 x 114 mm
- C = socket-outlets with fixing base dimensions 343 x 143 mm
- D = socket-outlets with fixing base dimensions 420 x 210 mm



# PB - PK socket-outlets for industrial purposes

- in compliance with standards EN 60309-1, -2 and -4
- enclosures and inserts in insulating thermoplastic self-extinguishing material colour grey RAL 7035
- cable entry with threaded grommet
- 16A, 32A: with spring lid
- 63A: with bayonet jointed lid

- double mechanical interlock that prevents from: switching "ON" the switch when the plug is not inserted, withdrawing the plug when the switch is turned to "ON" position
- 63A: with pilot contact
- mechanical resistance to impacts: 20 J (IK 10 in compliance with EN 62262)
- with Italian Quality Mark packaging

drawing

ILME  
part No.

description



16A

extra low voltage  
socket-outlets with safety transformer  
for class III lighting apparatus  
splashproof IP44 (EN 60529)

primary switched by plug insertion screw-type fuse carrier on primary and secondary (fuse-links included)  
transformer in compliance with EN 60742 - 160 VA continuous service  
insulating enclosure

PB 16220 T1	• 1 socket 2P 16A - transf. 230/24V - cl. II	2
PB 16220 T2	• 2 sockets 2P 16A - transf. 230/24V - cl. II	1
transformer in compliance with EN 60742 - 160 VA continuous service enclosure in die-cast aluminium alloy		
PB 16220 A1	• 1 socket 2P 16A - transf. 230/24V - cl. I	1
PB 16220 A2	• 2 sockets 2P 16A - transf. 230/24V - cl. I	1



16A

low voltage  
switched socket-outlets without fuse carrier  
insulating enclosure - splashproof IP44 (EN 60529)

### 100÷130V ~ - 50 and 60 Hz - yellow

PK 1643 EB	16A - 2P + ⊕ - 4h ● - Pg 16 - ⊕	1
PK 1644 EB	16A - 3P + ⊕ - 4h ● - Pg 16 - ⊕	1
PK 1645 EB	16A - 3P + N + ⊕ - 4h ● - Pg 16 - ⊕	1
PK 3243 EB	32A - 2P + ⊕ - 4h ● - Pg 29 - ⊕	1
PK 3244 EB	32A - 3P + ⊕ - 4h ● - Pg 29 - ⊕	1
PK 3245 EB	32A - 3P + N + ⊕ - 4h ● - Pg 29 - ⊕	1
PK 6343 EB	63A - 2P + ⊕ - 4h ● - Pg 29 - ⊕	1
PK 6344 EB	63A - 3P + ⊕ - 4h ● - Pg 29 - ⊕	1
PK 6345 EB	63A - 3P + N + ⊕ - 4h ● - Pg 29 - ⊕	1

### 200÷250V ~ - 50 and 60 Hz - blue

PK 1663 EB	16A - 2P + ⊕ - 6h ● - Pg 16 - ⊕◇	20
PK 1694 EB	16A - 3P + ⊕ - 9h ● - Pg 16 - ⊕	1
PK 1695 EB	16A - 3P + N + ⊕ - 9h ● - Pg 16 - ⊕	1
PK 3263 EB	32A - 2P + ⊕ - 6h ● - Pg 29 - ⊕◇	8
PK 3294 EB	32A - 3P + ⊕ - 9h ● - Pg 29 - ⊕	1
PK 3295 EB	32A - 3P + N + ⊕ - 9h ● - Pg 29 - ⊕	1
PK 6363 EB	63A - 2P + ⊕ - 6h ● - Pg 29 - ⊕◇	8
PK 6394 EB	63A - 3P + ⊕ - 9h ● - Pg 29 - ⊕	1
PK 6395 EB	63A - 3P + N + ⊕ - 9h ● - Pg 29 - ⊕	1



32A

### 380÷415V ~ - 50 and 60 Hz - red

PK 1693 EB	16A - 2P + ⊕ - 9h ● - Pg 16 - ⊕	1
PK 1664 EB	16A - 3P + ⊕ - 6h ● - Pg 16 - ⊕◇	20
PK 1665 EB	16A - 3P + N + ⊕ - 6h ● - Pg 16 - ⊕◇	20
PK 3293 EB	32A - 2P + ⊕ - 9h ● - Pg 29 - ⊕	1
PK 3264 EB	32A - 3P + ⊕ - 6h ● - Pg 29 - ⊕◇	8
PK 3265 EB	32A - 3P + N + ⊕ - 6h ● - Pg 29 - ⊕◇	8
PK 6393 EB	63A - 2P + ⊕ - 9h ● - Pg 29 - ⊕	1
PK 6364 EB	63A - 3P + ⊕ - 6h ● - Pg 29 - ⊕◇	8
PK 6365 EB	63A - 3P + N + ⊕ - 6h ● - Pg 29 - ⊕◇	8



63A

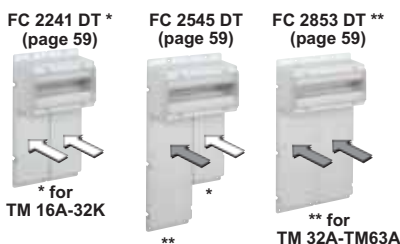
◇ The articles with hour position 6h refer to the rated voltage (2P+⊕/220÷250V ~ - 3P+⊕ and 3P+N+⊕/380÷415V ~)

### spare switches

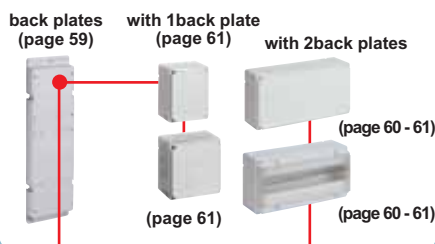
for EB sockets

PKR 432	4 x 32A - for 16A switched sockets - 3/4/5 poles	1
PKR 480	4 x 80A - for 32A/63A switched sockets - 3/4/5 poles	1

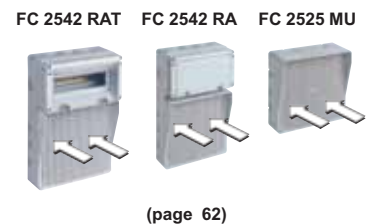
#### Assembled modular bases



#### Accessories for socket-outlet combinations



#### Accessories for box systems





# KI socket-outlets for industrial purposes low voltage

- in compliance with standards EN 60309-1, -2 and -4
- enclosures and inserts in insulating thermoplastic self-extinguishing material colour grey RAL 7035
- cable entry with cable gland
- with bayonet jointed lid
- operating dial (padlock possible)

- double mechanical interlock that prevents from: switching "ON" the switch when the plug is not inserted, withdrawing the plug when the switch is turned to "ON" position
- 63A: with pilot contact
- mechanical resistance to impacts: 20 J (IK 10 in compliance with EN 62262)
- with Italian Quality Mark packaging

drawing

ILME  
part No.

description

## interlocked switched socket-outlets with room for modular equipments insulating enclosure - splashproof IP55 (EN 60529)

on DIN-rail EN 60715 can be mounted up to 7 units (max 123 mm)

### 100÷130V ~ - 50 and 60 Hz - yellow

KI 1643 RI5	16A - 2P + ⊕	- 4h ● - Pg 29 - ⊕	1
KI 1644 RI5	16A - 3P + ⊕	- 4h ● - Pg 29 - ⊕	1
KI 1645 RI5	16A - 3P + N + ⊕	- 4h ● - Pg 29 - ⊕	1
KI 3243 RI5	32A - 2P + ⊕	- 4h ● - Pg 29 - ⊕	1
KI 3244 RI5	32A - 3P + ⊕	- 4h ● - Pg 29 - ⊕	1
KI 3245 RI5	32A - 3P + N + ⊕	- 4h ● - Pg 29 - ⊕	1
KI 6343 RI5	63A - 2P + ⊕	- 4h ● - Pg 29 - ⊕	1
KI 6344 RI5	63A - 3P + ⊕	- 4h ● - Pg 29 - ⊕	1
KI 6345 RI5	63A - 3P + N + ⊕	- 4h ● - Pg 29 - ⊕	1

### 200÷250V ~ - 50 and 60 Hz - blue

KI 1663 RI5	16A - 2P + ⊕	- 6h ● - Pg 29 - ⊕◇	1
KI 1694 RI5	16A - 3P + ⊕	- 9h ● - Pg 29 - ⊕◇	1
KI 1695 RI5	16A - 3P + N + ⊕	- 9h ● - Pg 29 - ⊕◇	1
KI 3263 RI5	32A - 2P + ⊕	- 6h ● - Pg 29 - ⊕◇	1
KI 3294 RI5	32A - 3P + ⊕	- 9h ● - Pg 29 - ⊕◇	1
KI 3295 RI5	32A - 3P + N + ⊕	- 9h ● - Pg 29 - ⊕◇	1
KI 6363 RI5	63A - 2P + ⊕	- 6h ● - Pg 29 - ⊕◇	1
KI 6394 RI5	63A - 3P + ⊕	- 9h ● - Pg 29 - ⊕◇	1
KI 6395 RI5	63A - 3P + N + ⊕	- 9h ● - Pg 29 - ⊕◇	1

### 380÷415V ~ - 50 and 60 Hz - red

KI 1693 RI5	16A - 2P + ⊕	- 9h ● - Pg 29 - ⊕◇	1
KI 1664 RI5	16A - 3P + ⊕	- 6h ● - Pg 29 - ⊕◇	1
KI 1665 RI5	16A - 3P + N + ⊕	- 6h ● - Pg 29 - ⊕◇	1
KI 3293 RI5	32A - 2P + ⊕	- 9h ● - Pg 29 - ⊕◇	1
KI 3264 RI5	32A - 3P + ⊕	- 6h ● - Pg 29 - ⊕◇	1
KI 3265 RI5	32A - 3P + N + ⊕	- 6h ● - Pg 29 - ⊕◇	1
KI 6393 RI5	63A - 2P + ⊕	- 9h ● - Pg 29 - ⊕◇	1
KI 6364 RI5	63A - 3P + ⊕	- 6h ● - Pg 29 - ⊕◇	1
KI 6365 RI5	63A - 3P + N + ⊕	- 6h ● - Pg 29 - ⊕◇	1

### 480÷500V ~ - 50 and 60 Hz - black

KI 1674 RI5	16A - 3P + ⊕	- 7h ● - Pg 29 - ⊕	1
KI 1675 RI5	16A - 3P + N + ⊕	- 7h ● - Pg 29 - ⊕	1
KI 3274 RI5	32A - 3P + ⊕	- 7h ● - Pg 29 - ⊕	1
KI 3275 RI5	32A - 3P + N + ⊕	- 7h ● - Pg 29 - ⊕	1
KI 6374 RI5	63A - 3P + ⊕	- 7h ● - Pg 29 - ⊕	1
KI 6375 RI5	63A - 3P + N + ⊕	- 7h ● - Pg 29 - ⊕	1

◇ The articles with hour position 6h refer to the rated voltage (2P+⊕/220÷250V ~ - 3P+⊕ and 3P+N+⊕/380÷415V ~)



16A-32A-63A



## spare switches

for RI5 sockets

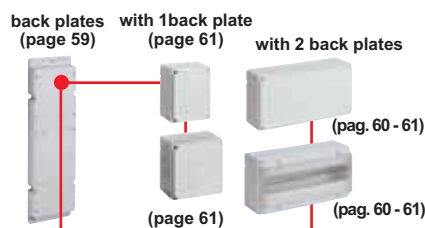
PKR 432	4 x 32A - for 16A switched sockets - 3/4/5 poles	1
PKR 480	4 x 80A - for 32A/63A switched sockets - 3/4/5 poles	1

### Assembled modular bases

FC 2853 DT \*\*  
(page 59)



### Accessories for socket-outlet combinations







# KI socket-outlets for industrial purposes low voltage

- in compliance with standards EN 60309-1, -2 and -4
- enclosures and inserts in insulating thermoplastic self-extinguishing material colour grey RAL 7035
- cable entry: with cable gland
- with bayonet jointed lid
- mechanical resistance to impacts: 20 J (IK 10 in compliance with EN 62262)
- double mechanical interlock that prevents from: switching "ON" the switch when the plug is not inserted, withdrawing the plug when the switch is turned to "ON" position
- 63A: with pilot contact
- with Italian Quality Mark

drawing

ILME part No.

description

packaging

## switched socket-outlets with screw-type fuse carrier insulating enclosure - splashproof IP55 (EN 60529)

fuse-links not included - operating dial (padlock possible)

### 100÷130V ~ - 50 and 60 Hz - yellow

KI 1643 IB5	16A - 2P + ⊕ - 4h ● - fuse carriers E16 - Pg 16 - ⊕	1
KI 1644 IB5	16A - 3P + ⊕ - 4h ● - fuse carriers E16 - Pg 16 - ⊕	1
KI 1645 IB5	16A - 3P + N + ⊕ - 4h ● - fuse carriers E16 - Pg 16 - ⊕	15
KI 3243 IB5	32A - 2P + ⊕ - 4h ● - fuse carriers E33 - DIII - Pg 29 - ⊕	8
KI 3244 IB5	32A - 3P + ⊕ - 4h ● - fuse carriers E33 - DIII - Pg 29 - ⊕	1
KI 3245 IB5	32A - 3P + N + ⊕ - 4h ● - fuse carriers E33 - DIII - Pg 29 - ⊕	1
KI 6343 IB5	63A - 2P + ⊕ - 4h ● - fuse carriers E33 - DIII - Pg 29 - ⊕	1
KI 6344 IB5	63A - 3P + ⊕ - 4h ● - fuse carriers E33 - DIII - Pg 29 - ⊕	1
KI 6345 IB5	63A - 3P + N + ⊕ - 4h ● - fuse carriers E33 - DIII - Pg 29 - ⊕	1

### 200÷250V ~ - 50 and 60 Hz - blue

KI 1663 IB5	16A - 2P + ⊕ - 6h ● - fuse carriers E16 - Pg 16 - ⊕	15
KI 1694 IB5	16A - 3P + ⊕ - 9h ● - fuse carriers E16 - Pg 16 - ⊕	1
KI 1695 IB5	16A - 3P + N + ⊕ - 9h ● - fuse carriers E16 - Pg 16 - ⊕	1
KI 3263 IB5	32A - 2P + ⊕ - 6h ● - fuse carriers E33 - DIII - Pg 29 - ⊕	8
KI 3294 IB5	32A - 3P + ⊕ - 9h ● - fuse carriers E33 - DIII - Pg 29 - ⊕	1
KI 3295 IB5	32A - 3P + N + ⊕ - 9h ● - fuse carriers E33 - DIII - Pg 29 - ⊕	1
KI 6363 IB5	63A - 2P + ⊕ - 6h ● - fuse carriers E33 - DIII - Pg 29 - ⊕	1
KI 6394 IB5	63A - 3P + ⊕ - 9h ● - fuse carriers E33 - DIII - Pg 29 - ⊕	1
KI 6395 IB5	63A - 3P + N + ⊕ - 9h ● - fuse carriers E33 - DIII - Pg 29 - ⊕	1

### 380÷415V ~ - 50 and 60 Hz - red

KI 1693 IB5	16A - 2P + ⊕ - 9h ● - fuse carriers E16 - Pg 16 - ⊕	1
KI 1664 IB5	16A - 3P + ⊕ - 6h ● - fuse carriers E16 - Pg 16 - ⊕	15
KI 1665 IB5	16A - 3P + N + ⊕ - 6h ● - fuse carriers E16 - Pg 16 - ⊕	15
KI 3293 IB5	32A - 2P + ⊕ - 9h ● - fuse carriers E33 - DIII - Pg 29 - ⊕	1
KI 3264 IB5	32A - 3P + ⊕ - 6h ● - fuse carriers E33 - DIII - Pg 29 - ⊕	8
KI 3265 IB5	32A - 3P + N + ⊕ - 6h ● - fuse carriers E33 - DIII - Pg 29 - ⊕	8
KI 6393 IB5	63A - 2P + ⊕ - 9h ● - fuse carriers E33 - DIII - Pg 29 - ⊕	1
KI 6364 IB5	63A - 3P + ⊕ - 6h ● - fuse carriers E33 - DIII - Pg 29 - ⊕	1
KI 6365 IB5	63A - 3P + N + ⊕ - 6h ● - fuse carriers E33 - DIII - Pg 29 - ⊕	1

### 480÷500V ~ - 50 and 60 Hz - black

KI 1674 IB5	16A - 3P + ⊕ - 7h ● - fuse carriers E16 - Pg 16 - ⊕	1
KI 1675 IB5	16A - 3P + N + ⊕ - 7h ● - fuse carriers E16 - Pg 16 - ⊕	1
KI 3274 IB5	32A - 3P + ⊕ - 7h ● - fuse carriers E33 - DIII - Pg 29 - ⊕	1
KI 3275 IB5	32A - 3P + N + ⊕ - 7h ● - fuse carriers E33 - DIII - Pg 29 - ⊕	1
KI 6374 IB5	63A - 3P + ⊕ - 7h ● - fuse carriers E33 - DIII - Pg 29 - ⊕	1
KI 6375 IB5	63A - 3P + N + ⊕ - 7h ● - fuse carriers E33 - DIII - Pg 29 - ⊕	1

◇ The articles with hour position 6h refer to the rated voltage (2P+⊕/220÷250V ~ - 3P+⊕ and 3P+N+⊕/380÷415V ~)

## spare switches

for IB5 sockets

PKR 432	4 x 32A - for 16A/25A sockets - 3/4/5 poles	1
PKR 480	4 x 80A - for 32A/63A sockets - 3/4/5 poles	1



16A



32A-63A



By end 2010 available with sectionable fuse carrier only. (after previous version sell-out)



E16 → 10 x 38 mm

E33 → 14 x 51 mm

### Assembled modular bases

FC 2241 DT\* (page 59)

FC 2545 DT (page 59)

FC 2853 DT\*\* (page 59)



\* for TM 16A-32K

\*\*

\*\* for TM 32A-TM63A

### Accessories for socket-outlet combinations

back plates (page 59)

with 1 back plate (page 61)

with 2 back plates (page 60 - 61)



(page 61)

(page 60 - 61)

### Accessories for box systems

FC 2542 RAT

FC 2542 RA

FC 2525 MU



(page 62)

For technical data-sheet and further information please look at our technical catalogues on website [www.ilme.com](http://www.ilme.com)



PK  
socket-outlets  
for industrial purposes  
low voltage

- in compliance with standards EN 60309-1, -2 and -4
- die-cast aluminium alloy enclosure painted with grey epoxy polyester preceded by an anti-corrosive treatment
- inserts in insulating thermoplastic self-extinguishing material
- cable entry: with cable gland
- with bayonet jointed lid
- 16A, 32A, 63A: screw-type fuse carriers

- 125A: fuse carriers HRC (High Rupture Capacity)
- double mechanical interlock that prevents from: switching "ON" the switch when the plug is not inserted, withdrawing the plug when the switch is turned to "ON" position
- 63A, 125A: with pilot contact
- mechanical resistance to impacts: 20 J (IK 10 in compliance with EN 62262)
- with Italian Quality Mark packaging

drawing

ILME  
part No.

description

interlocked switched socket-outlets with screw-type fuse carrier  
aluminium enclosure - splashproof IP55 (EN 60529)

fuse-links not included

100÷130V ~ - 50 and 60 Hz - yellow

PK 1643 PB5	16A - 2P + ⊕ - 4h	● - fuse carriers E16 - Pg 16 - ⊕	1
PK 1644 PB5	16A - 3P + ⊕ - 4h	● - fuse carriers E16 - Pg 16 - ⊕	1
PK 1645 PB5	16A - 3P + N + ⊕ - 4h	● - fuse carriers E16 - Pg 16 - ⊕	1
PK 3243 PB5	32A - 2P + ⊕ - 4h	● - fuse carriers E33 - DIII - Pg 21 - ⊕	1
PK 3244 PB5	32A - 3P + ⊕ - 4h	● - fuse carriers E33 - DIII - Pg 21 - ⊕	1
PK 3245 PB5	32A - 3P + N + ⊕ - 4h	● - fuse carriers E33 - DIII - Pg 21 - ⊕	1
PK 6343 PB5	63A - 2P + ⊕ - 4h	● - fuse carriers E33 - DIII - Pg 29 - ⊕	1
PK 6344 PB5	63A - 3P + ⊕ - 4h	● - fuse carriers E33 - DIII - Pg 29 - ⊕	1
PK 6345 PB5	63A - 3P + N + ⊕ - 4h	● - fuse carriers E33 - DIII - Pg 29 - ⊕	1
PK 12544 PB5	125A - 3P + ⊕ - 4h	● - fuse carriers NH 00 - 2" gas	1
PK 12545 PB5	125A - 3P + N + ⊕ - 4h	● - fuse carriers NH 00 - 2" gas	1

200÷250V ~ - 50 and 60 Hz - blue

PK 1663 PB5	16A - 2P + ⊕ - 6h	● - fuse carriers E16 - Pg 16 - ⊕◇	9
PK 1694 PB5	16A - 3P + ⊕ - 9h	● - fuse carriers E16 - Pg 16 - ⊕	1
PK 1695 PB5	16A - 3P + N + ⊕ - 9h	● - fuse carriers E16 - Pg 16 - ⊕	1
PK 3263 PB5	32A - 2P + ⊕ - 6h	● - fuse carriers E33 - DIII - Pg 21 - ⊕◇	8
PK 3294 PB5	32A - 3P + ⊕ - 9h	● - fuse carriers E33 - DIII - Pg 21 - ⊕	1
PK 3295 PB5	32A - 3P + N + ⊕ - 9h	● - fuse carriers E33 - DIII - Pg 21 - ⊕	1
PK 6363 PB5	63A - 2P + ⊕ - 6h	● - fuse carriers E33 - DIII - Pg 29 - ⊕◇	1
PK 6394 PB5	63A - 3P + ⊕ - 9h	● - fuse carriers E33 - DIII - Pg 29 - ⊕	1
PK 6395 PB5	63A - 3P + N + ⊕ - 9h	● - fuse carriers E33 - DIII - Pg 29 - ⊕	1
PK 12594 PB5	125A - 3P + ⊕ - 9h	● - fuse carriers NH 00 - 2" gas	1
PK 12595 PB5	125A - 3P + N + ⊕ - 9h	● - fuse carriers NH 00 - 2" gas	1

380÷415V ~ - 50 and 60 Hz - red

PK 1693 PB5	16A - 2P + ⊕ - 9h	● - fuse carriers E16 - Pg 16 - ⊕	1
PK 1664 PB5	16A - 3P + ⊕ - 6h	● - fuse carriers E16 - Pg 16 - ⊕◇	9
PK 1665 PB5	16A - 3P + N + ⊕ - 6h	● - fuse carriers E16 - Pg 16 - ⊕◇	15
PK 3293 PB5	32A - 2P + ⊕ - 9h	● - fuse carriers E33 - DIII - Pg 21 - ⊕	1
PK 3264 PB5	32A - 3P + ⊕ - 6h	● - fuse carriers E33 - DIII - Pg 21 - ⊕◇	8
PK 3265 PB5	32A - 3P + N + ⊕ - 6h	● - fuse carriers E33 - DIII - Pg 21 - ⊕◇	8
PK 6393 PB5	63A - 2P + ⊕ - 9h	● - fuse carriers E33 - DIII - Pg 29 - ⊕	8
PK 6364 PB5	63A - 3P + ⊕ - 6h	● - fuse carriers E33 - DIII - Pg 29 - ⊕◇	1
PK 6365 PB5	63A - 3P + N + ⊕ - 6h	● - fuse carriers E33 - DIII - Pg 29 - ⊕◇	1
PK 12564 PB5	125A - 3P + ⊕ - 6h	● - fuse carriers NH 00 - 2" gas ◇	1
PK 12565 PB5	125A - 3P + N + ⊕ - 6h	● - fuse carriers NH 00 - 2" gas ◇	1

480÷500V ~ - 50 and 60 Hz - black

PK 1674 PB5	16A - 3P + ⊕ - 7h	● - fuse carriers E16 - Pg 16 - ⊕	1
PK 1675 PB5	16A - 3P + N + ⊕ - 7h	● - fuse carriers E16 - Pg 16 - ⊕	1
PK 3274 PB5	32A - 3P + ⊕ - 7h	● - fuse carriers E33 - DIII - Pg 21 - ⊕	1
PK 3275 PB5	32A - 3P + N + ⊕ - 7h	● - fuse carriers E33 - DIII - Pg 21 - ⊕	1
PK 6374 PB5	63A - 3P + ⊕ - 7h	● - fuse carriers E33 - DIII - Pg 29 - ⊕	1
PK 6375 PB5	63A - 3P + N + ⊕ - 7h	● - fuse carriers E33 - DIII - Pg 29 - ⊕	1
PK 12574 PB5	125A - 3P + ⊕ - 7h	● - fuse carriers NH 00 - 2" gas	1
PK 12575 PB5	125A - 3P + N + ⊕ - 7h	● - fuse carriers NH 00 - 2" gas	1

◇ The articles with hour position 6h refer to the rated voltage (2P+⊕/220÷250V ~ - 3P+⊕ and 3P+N+⊕/380÷415V ~)

spare switches

for PB5 sockets

PKR 432	4 x 32A - for 16A sockets - 3/4/5 poles	1
PKR 480	4 x 80A - for 32A/63A sockets - 3/4/5 poles	1
PKR 4125	3 x 125A - for 125A sockets - 3P + ⊕	1
PKR 5125	4 x 125A - for 125A sockets - 3P + N + ⊕	1



16A



32A-63A



125A



By end 2010 available with sectionable fuse carrier only.  
(after previous version sell-out)

E16 → 10 x 38 mm

E33 → 14 x 51 mm



# PK socket-outlets for industrial purposes low voltage

- in compliance with standards EN 60309-1, -2 and -4
- inserts in insulating thermoplastic self-extinguishing material
- with bayonet jointed lid
- cable entry with box-type flange and cable gland
- mechanical resistance to impacts: 20J (IK 10 in compliance with EN 62262)

drawing

ILME part No.

description

packaging



63A-125A

## switched sockets with automatic circuit-breaker and electrical interlock insulating enclosure - splashproof IP55 (EN 60529)

insulating enclosures in glass-fibre reinforced polyester self-extinguishing, colour grey RAL 7042

### 100÷130V ~ - 50 and 60 Hz - yellow

PK 6344 IA	63A - 3P + ⊕ - 4h ● - Pg 36	1
PK 6345 IA	63A - 3P + N + ⊕ - 4h ● - Pg 36	1
PK 12544 IA	125A - 3P + ⊕ - 4h ● - Pg 48	1
PK 12545 IA	125A - 3P + N + ⊕ - 4h ● - Pg 48	1

### 200÷250V ~ - 50 and 60 Hz - blue

PK 6394 IA	63A - 3P + ⊕ - 9h ● - Pg 36	1
PK 6395 IA	63A - 3P + N + ⊕ - 9h ● - Pg 36	1
PK 12594 IA	125A - 3P + ⊕ - 9h ● - Pg 48	1
PK 12595 IA	125A - 3P + N + ⊕ - 9h ● - Pg 48	1

### 380÷415V ~ - 50 and 60 Hz - red

PK 6364 IA	63A - 3P + ⊕ - 6h ● - Pg 36 ◊	1
PK 6365 IA	63A - 3P + N + ⊕ - 6h ● - Pg 36 ◊	1
PK 12564 IA	125A - 3P + ⊕ - 6h ● - Pg 48 ◊	1
PK 12565 IA	125A - 3P + N + ⊕ - 6h ● - Pg 48 ◊	1

### 480÷500V ~ - 50 and 60 Hz - black

PK 6374 IA	63A - 3P + ⊕ - 7h ● - Pg 36	1
PK 6375 IA	63A - 3P + N + ⊕ - 7h ● - Pg 36	1
PK 12574 IA	125A - 3P + ⊕ - 7h ● - Pg 48	1
PK 12575 IA	125A - 3P + N + ⊕ - 7h ● - Pg 48	1



63A-125A

## switched sockets with automatic circuit-breaker and electrical interlock aluminium enclosure - splashproof IP55 (EN 60529)

die-cast aluminium alloy enclosure painted with grey epoxy polyester preceded by anti-corrosive treatment

### 100÷130V ~ - 50 and 60 Hz - yellow

PK 6344 LL	63A - 3P + ⊕ - 4h ● - Pg 36	1
PK 6345 LL	63A - 3P + N + ⊕ - 4h ● - Pg 36	1
PK 12544 LL	125A - 3P + ⊕ - 4h ● - 2" gas	1
PK 12545 LL	125A - 3P + N + ⊕ - 4h ● - 2" gas	1

### 200÷250V ~ - 50 and 60 Hz - blue

PK 6394 LL	63A - 3P + ⊕ - 9h ● - Pg 36	1
PK 6395 LL	63A - 3P + N + ⊕ - 9h ● - Pg 36	1
PK 12594 LL	125A - 3P + ⊕ - 9h ● - 2" gas	1
PK 12595 LL	125A - 3P + N + ⊕ - 9h ● - 2" gas	1

### 380÷415V ~ - 50 and 60 Hz - red

PK 6364 LL	63A - 3P + ⊕ - 6h ● - Pg 36 ◊	1
PK 6365 LL	63A - 3P + N + ⊕ - 6h ● - Pg 36 ◊	1
PK 12564 LL	125A - 3P + ⊕ - 6h ● - 2" gas ◊	1
PK 12565 LL	125A - 3P + N + ⊕ - 6h ● - 2" gas ◊	1

### 480÷500V ~ - 50 and 60 Hz - black

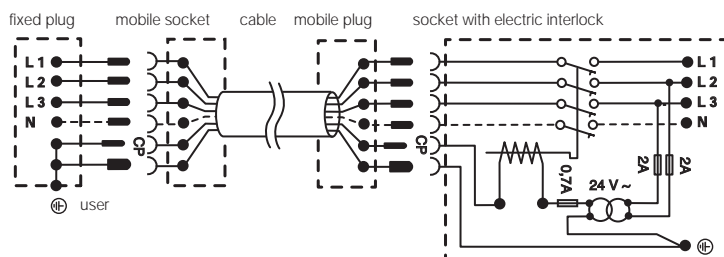
PK 6374 LL	63A - 3P + ⊕ - 7h ● - Pg 36	1
PK 6375 LL	63A - 3P + N + ⊕ - 7h ● - Pg 36	1
PK 12574 LL	125A - 3P + ⊕ - 7h ● - 2" gas	1
PK 12575 LL	125A - 3P + N + ⊕ - 7h ● - 2" gas	1

◊ The articles with hour position 6h refer to the rated voltage (2P+⊕/220÷250V ~ - 3P+⊕ and 3P+N+⊕/380÷415V ~)

Automatic magnetothermal circuit-breaker with undervoltage relay. Electric interlock realised by pilot contact that avoids underload operations and controls the earthing contact continuity. E16 screw-type fuse carriers with 2A fuse on the primary of the transformer. On 24V circuit, 0.7A fuse Ø 5x20 mm.

### circuit-breaker characteristics

type	thermal relay	magnetic relay	breaking capacity (cos φ 0.3)		
			220V	380V	500V
63A	63A	630A	25kA	16kA	8kA
125A	125A	1250A	40kA	25kA	12kA



For technical data-sheet and further information please look at our technical catalogues on website [www.ilme.com](http://www.ilme.com)



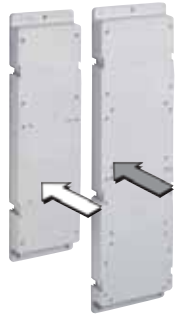
# FC accessories for socket-outlet combinations

- with Italian Quality Mark (in compliance with the Italian standard CEI 23-48, corresponding to the International standard IEC 60670)

drawing	ILME part No.	description	packaging
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## accessories for assembly of interlocked switched socket-outlet with insulating enclosure

### modular back plates



<b>FC 1141 TB</b>	<p>predisposed for the assembly of:</p> <ul style="list-style-type: none"> <li>- distribution enclosures FC 1114 DB - FC 1114 DB5</li> <li>- enclosure for modular equipments FC 1114 GB5</li> <li>- 16A interlocked switched socket-outlets IB5 series</li> <li>- 16A-32A-63A interlocked switched socket-outlets EB series</li> </ul> <p>dimensions 115 x 415 x 30 mm insulating thermoplastic self-extinguishing material grey RAL 7035 fitted block with fixing plugs and screws for mounting of a.m. devices</p>	10
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<b>FC 1453 TB</b>	<p>predisposed for the assembly of:</p> <ul style="list-style-type: none"> <li>- distribution enclosures FC 1114 DB - FC 1414 DB - FC 1114 DB5 - FC 1414 DB5</li> <li>- enclosure for modular equipments FC 1414 GB5</li> <li>- interlocked switched socket-outlets without fuse carriers SQ series</li> <li>- 32A-63A interlocked switched socket-outlets IB5 series</li> <li>- 16A-32A-63A interlocked switched socket-outlets RI5 series</li> <li>- socket-outlets with safety transformer PB 16220 T1 - PB 16220 T2 - PB 16380 T2</li> </ul> <p>dimensions 145 x 532 x 30 mm insulating thermoplastic self-extinguishing material grey RAL 7035 fitted block with fixing plugs and screws for mounting of a.m. devices</p>	10
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<b>FC TXT</b>	fixing plug to fit in for modular back plates FC 1141 TB - FC 1453 TB	1
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### assembled modular bases



<b>FC 2241 DT</b>	<p>composed of:</p> <ul style="list-style-type: none"> <li>- two modular back plates FC 1141 TB</li> <li>- one enclosure for modular equipments FC 2214 GB5</li> </ul> <p>predisposed for the assembly of:</p> <ul style="list-style-type: none"> <li>- 16A interlocked switched socket-outlets IB5 series</li> <li>- 16A-32A-63A interlocked switched socket-outlets EB series</li> </ul> <p>dimensions max 230x415x145 mm -  (CEI 23-48) in insulating thermoplastic self-extinguishing material grey RAL 7035 predisposed for snap-on fixing of modular equipment up to 11.5 units transparent cover to survey the inside equipment degree of protection IP55 (EN 60529) provided with:</p> <ul style="list-style-type: none"> <li>- sized DIN-rail EN 60715</li> <li>- a series of small plates to close unused spaces</li> </ul>	2
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<b>FC 2545 DT</b>	<p>composed of:</p> <ul style="list-style-type: none"> <li>- one modular back plate FC 1141 TB and one FC 1453 TB</li> <li>- one enclosure for modular equipments FC 2514 GB5</li> </ul> <p>predisposed for the assembly of:</p> <ul style="list-style-type: none"> <li>- interlocked switched socket-outlets without fuse carriers SQ series</li> <li>- 16A-32A-63A interlocked switched socket-outlets IB5, EB and RI5 series</li> <li>- socket-outlets with safety transformer PB 16220 T1 - PB 16220 T2 - PB 16380 T2</li> </ul> <p>dimensions max 260x532x145 mm -  (CEI 23-48) insulating thermoplastic self-extinguishing material grey RAL 7035 predisposed for snap-on fixing of modular equipment up to 13.5 units transparent cover to survey the inside equipment degree of protection IP55 (EN 60529) provided with:</p> <ul style="list-style-type: none"> <li>- sized DIN-rail EN 60715</li> <li>- a series of small plates to close unused spaces</li> </ul>	2
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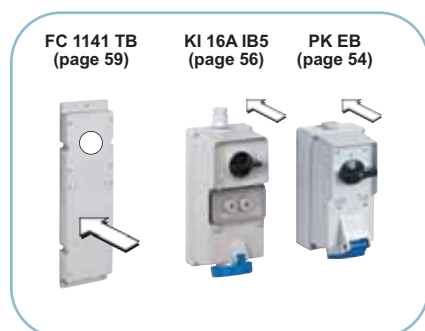
<b>FC 2853 DT</b>	<p>composed of:</p> <ul style="list-style-type: none"> <li>- two modular back plates FC 1453 TB</li> <li>- one enclosure for modular equipments FC 2814 GB5</li> </ul> <p>predisposed for the assembly of:</p> <ul style="list-style-type: none"> <li>- interlocked switched socket-outlets without fuse carriers SQ series</li> <li>- 32A-63A interlocked switched socket-outlets IB5 series</li> <li>- 16A-32A-63A interlocked switched socket-outlets RI5 series</li> <li>- socket-outlets with safety transformer PB 16220 T1 - PB 16220 T2 - PB 16380 T2</li> </ul> <p>dimensions max 290x532x145 mm -  (CEI 23-48) in insulating thermoplastic self-extinguishing material grey RAL 7035 predisposed for snap-on fixing of modular equipment up to 15 units transparent cover to survey the inside equipment degree of protection IP55 (EN 60529) provided with:</p> <ul style="list-style-type: none"> <li>- sized DIN-rail EN 60715</li> <li>- a series of small plates to close unused spaces</li> </ul>	2
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# FC accessories for socket-outlet combinations

- with Italian Quality Mark (in compliance with the Italian standard CEI 23-48, corresponding to the International standard IEC 60670)



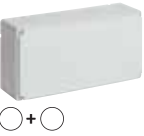
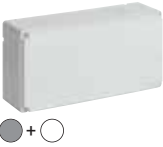

drawing	ILME part No.	description	packaging
<b>accessories for assembly of interlocked switched socket-outlets with insulating enclosure</b> <b>enclosures for modular equipments</b>			
	<b>FC 1114 GB5</b>	<p>predisposed for snap-on fixing of modular equipment, up to 5 units (max 90 mm) dimensions 115 x 144 x 115 mm -  (CEI 23-48) in insulating thermoplastic self-extinguishing material grey RAL 7035 transparent cover to survey the inside equipment</p> <p><b>mountable on the modular back plate FC 1141 TB</b></p> <p>provided with:</p> <ul style="list-style-type: none"> <li>- sized DIN-rail EN 60715</li> <li>- a series of small plates to close the unused spaces</li> <li>- union nipples</li> </ul> <p>degree of protection IP55 (EN 60529)</p>	4
	<b>FC 1414 GB5</b>	<p>predisposed for snap-on fixing of modular equipment, up to 6 units (max 118 mm) dimensions 144 x 144 x 115 mm -  (CEI 23-48) in insulating thermoplastic self-extinguishing material grey RAL 7035 transparent cover to survey the inside equipment</p> <p><b>mountable on the modular back plate FC 1453 TB</b></p> <p>provided with:</p> <ul style="list-style-type: none"> <li>- sized DIN-rail EN 60715</li> <li>- a series of small plates to close the unused spaces</li> <li>- union nipples</li> </ul> <p>degree of protection IP55 (EN 60529)</p>	4
	<b>FC 2214 GB5</b>	<p>predisposed for snap-on fixing of modular equipment up to 11.5 units (max 205 mm) dimensions 230 x 144 x 115 mm -  (CEI 23-48) in insulating thermoplastic self-extinguishing material grey RAL 7035 transparent cover to survey the inside equipment</p> <p><b>mountable on the two modular back plates FC 1141 TB</b></p> <p>provided with:</p> <ul style="list-style-type: none"> <li>- sized DIN-rail EN 60715</li> <li>- a series of small plates to close the unused spaces, union nipples</li> </ul> <p>degree of protection IP55 (EN 60529)</p>	2
	<b>FC 2514 GB5</b>	<p>predisposed for snap-on fixing of modular equipment up to 13.5 units (max 238 mm) dimensions 260 x 144 x 115 mm -  (CEI 23-48) in insulating thermoplastic self-extinguishing material grey RAL 7035 transparent cover to survey the inside equipment</p> <p><b>mountable on the modular back plates FC 1141 TB and FC 1453 TB together</b></p> <p>provided with:</p> <ul style="list-style-type: none"> <li>- sized DIN-rail EN 60715</li> <li>- a series of small plates to close the unused spaces, union nipples</li> </ul> <p>degree of protection IP55 (EN 60529)</p>	2
	<b>FC 2814 GB5</b>	<p>predisposed for snap-on fixing of modular equipment up to 15 units (max 267 mm) dimensions 290 x 144 x 115 mm -  (CEI 23-48) in insulating thermoplastic self-extinguishing material grey RAL 7035 transparent cover to survey the inside equipment</p> <p><b>mountable on the two modular back plates FC 1453 TB</b></p> <p>provided with:</p> <ul style="list-style-type: none"> <li>- sized DIN-rail EN 60715</li> <li>- a series of small plates to close the unused spaces, union nipples</li> </ul> <p>degree of protection IP55 (EN 60529)</p>	2

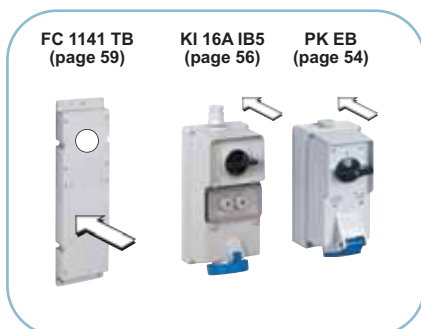




# FC accessories for socket-outlet combinations

- with Italian Quality Mark (in compliance with the Italian standard CEI 23-48, corresponding to the International standard IEC 60670)
- in insulating thermoplastic self-extinguishing material grey RAL 7035

drawing	ILME part No.	description	packaging
<b>accessories for assembly of interlocked switched socket-outlets with insulating enclosure</b>			
<b>distribution enclosures</b>			
	<b>FC 1114 DB</b>	<b>mountable on the modular back plates FC 1141 TB</b> – dimensions 115 x 144 x 88.5 mm - Ⓢ (CEI 23-48) the mounting plate can be fixed inside on the cover can be fixed buttons, signals, etc. provided with union nipples degree of protection IP44 (EN 60529)	20
	<b>FC 1114 DB5</b>	as above but with gasket for cover and plugs sealing the fixing screws degree of protection IP55 (EN 60529) - Ⓢ (CEI 23-48)	20
	<b>FC 1414 DB</b>	<b>mountable on the modular back plate FC 1453 TB</b> – dimensions 144 x 144 x 88.5 mm - Ⓢ (CEI 23-48) the mounting plate can be fixed inside on the cover can be fixed buttons, signals, etc. provided with union nipples degree of protection IP44 (EN 60529)	20
	<b>FC 1414 DB5</b>	as above but with gasket for cover and plugs sealing the fixing screws degree of protection IP55 (EN 60529) - Ⓢ (CEI 23-48)	20
	<b>FC 2214 DB5</b>	<b>mountable on the two modular back plate FC 1141 TB</b> – dimensions 230 x 144 x 88.5 mm - Ⓢ (CEI 23-48) provided with union nipples degree of protection IP55 (EN 60529)	4
	<b>FC 2514 DB5</b>	<b>mountable on the modular back plate FC 1141 TB and FC 1453 TB together</b> – dimensions 260 x 144 x 88.5 mm - Ⓢ (CEI 23-48) provided with union nipples degree of protection IP55 (EN 60529)	4
	<b>FC 2814 DB5</b>	<b>mountable on the two modular back plates FC 1453 TB</b> – dimensions 290 x 144 x 88.5 mm - Ⓢ (CEI 23-48) provided with union nipples degree of protection IP55 (EN 60529)	4
<b>mounting plates for distribution enclosures</b>			
	<b>FC 1114 PF</b>	for distribution enclosures FC 1114 DB - FC 1114 DB5	1
	<b>FC 1414 PF</b>	for distribution enclosures FC 1414 DB - FC 1414 DB5	1
<b>union nipples for enclosures</b>			
	<b>FC NP 16</b>	for holes Pg 16	1
	<b>FC NP 21</b>	for holes Pg 21	1
	<b>FC NP 29</b>	for holes Pg 29	1






For technical data-sheet and further information please look at our technical catalogues on website [www.ilme.com](http://www.ilme.com)



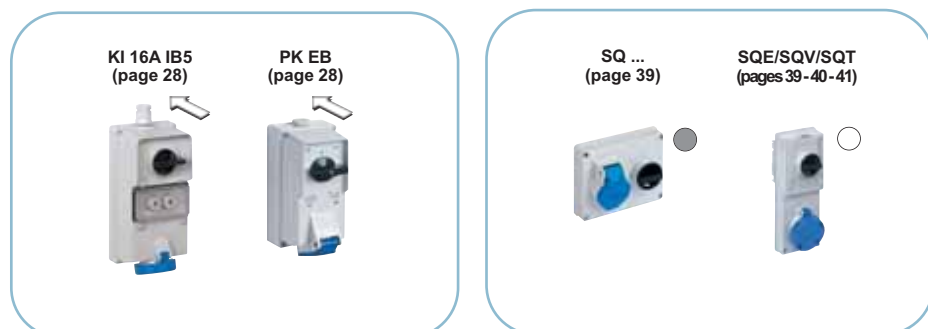
## FC box systems for socket-outlet combinations

- in thermoplastic self-extinguishing resin, colour grey RAL 7035
- the box ground has an alveolated structure, for the easy screwing of the equipment in any position
- box sides with predisposed entry holes Pg 16/Pg 29
- half-covers can be fixed indifferently up or down

- hinged covers can be fixed on every side, therefore the cover can be opened according to requirement
- fitted out with all accessories
- with Italian Quality Mark (in compliance with the Italian standard CEI 23-48, corresponding to the International standard IEC 60670)

drawing	ILME part No.	description	packaging
<b>box systems for socket-outlet combinations - IP55 (EN 60529)</b>			
<b>box for 2 interlocked switched socket-outlets and modular equipments</b>			
	<b>FC 2542 RA</b>	dimensions 255 x 420 x 115 mm - Ⓢ (CEI 23-48) composed of: - base box FC 2542 MS - cover with alveolated structure FC 2525 CR - opaque half-cover FC 1225 SR provided with sized DIN-rail EN 60715	1
	<b>FC 2542 RAT</b>	dimensions 255 x 420 x 115 mm - Ⓢ (CEI 23-48) composed of: - base box FC 2542 MS - cover with alveolated structure FC 2525 CR - transparent half-cover FC 1225 SRT provided with sized DIN-rail EN 60715 <i>predisposed for the assembly of:</i> - modular equipments, up to 10 units - two 16A-25A interlocked switched socket-outlets IB5 series (page 56) or two 16A-32A-63A interlocked switched socket-outlets EB series (page 54)	1
<b>box for 2 interlocked switched socket-outlets and modular equipments</b>			
	<b>FC 2542 QV</b>	dimensions 255 x 420 x 115 mm - Ⓢ (CEI 23-48) composed of: - base box FC 2542 MS - frame FC 2525 TS2 with two rooms - opaque half-cover FC 1225 SR provided with sized DIN-rail EN 60715	1
	<b>FC 2542 QVT</b>	dimensions 255 x 420 x 115 mm - Ⓢ (CEI 23-48) composed of: - base box FC 2542 MS - frame FC 2525 TS2 with two rooms - transparent half-cover FC 1225 SRT provided with sized DIN-rail EN 60715 <i>predisposed for the assembly of:</i> - modular equipments, up to 10 units - interlocked switched socket-outlets SQE - SQE.5 - SQV - SQV.5 series (pages 40-41) - socket-outlets with safety transformer SQT 16220 series (page 39)	1
<b>box for 3 interlocked switched socket-outlets and modular equipments</b>			
	<b>FC 2542 BM</b>	dimensions 255 x 420 x 115 mm - Ⓢ (CEI 23-48) composed of: - base box FC 2542 MS - frame FC 2525 TS3 with three rooms - one opaque half-cover FC 1225 SR provided with sized DIN-rail EN 60715	1
	<b>FC 2542 BMT</b>	dimensions 255 x 420 x 115 mm - Ⓢ (CEI 23-48) composed of: - base box FC 2542 MS - frame FC 2525 TS3 with three rooms - one transparent half-cover FC 1225 SRT provided with sized DIN-rail EN 60715 <i>predisposed for the assembly of:</i> - modular equipments, up to 10 units - two interlocked switched socket-outlets SQ series (page 39) or two covers FC 1114 RD for fixing modular equipments (page 59) - one interlocked switched socket-outlet SQE - SQE.5 - SQV - SQV.5 series (pages 40-41) or with transformer SQT 16220 series (page 39)	1






**N.B. - they take the lowest degree of protection of the mounted equipment**



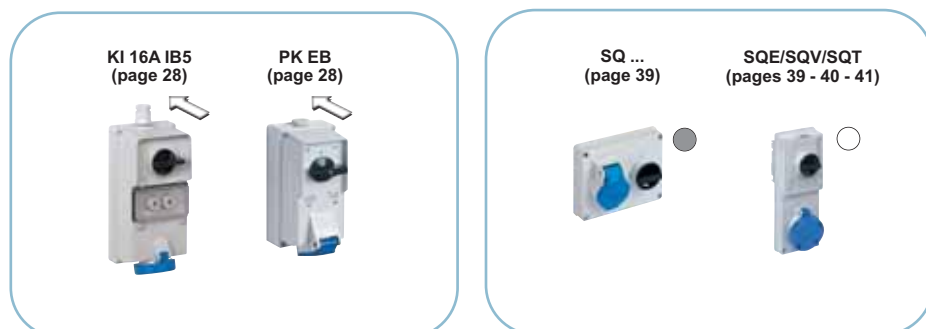


# FC box systems for socket-outlet combinations

- in thermoplastic self-extinguishing resin, colour grey RAL 7035
- the box ground has an alveolated structure, for the easy screwing of the equipment in any position
- box sides with predisposed entry holes Pg 16/Pg 29
- half-covers can be fixed indifferently up or down

drawing	ILME part No.	description	packaging
<b>box systems for socket-outlet combinations - IP55 (EN 60529)</b>			
<b>box for interlocked switched socket-outlets</b>			
	<b>FC 2525 MU</b>	dimensions 255 x 255 x 105 mm - Ⓢ (CEI 23-48) composed of: - base box FC 2525 MS - cover with alveolated structure FC 2525 CR <i>predisposed for the assembly of:</i> - two 16A interlocked switched socket-outlets IB5 series (page 50) or two 16A-32A-63A interlocked switched socket-outlets EB series (page 48)	10
	<b>FC 2525 QV</b>	dimensions 255 x 255 x 98 mm - Ⓢ (CEI 23-48) composed of: - base box FC 2525 MS - frame FC 2525 TS2 with two rooms <i>predisposed for the assembly of 2 sockets:</i> - with interlocked switch SQE - SQE.5 - SQV - SQV.5 series (pages 40-41) or with transformer SQT 16220 series (page 39)	6
	<b>FC 2525 BM</b>	dimensions 255 x 255 x 98 mm - Ⓢ (CEI 23-48) composed of: - base box FC 2525 MS - frame FC 2525 TS3 with three rooms <i>predisposed for the assembly of:</i> - two interlocked switched sockets SQ series (page 39) or two covers FC 1114 RD for fixing modular equipments (page 59) - one interlocked switched socket-outlet SQE - SQE.5 - SQV - SQV.5 series (pages 40-41) or one socket-outlet with transformer SQT 16220 series (page 39)	6
<b>mixed box for modular equipments and alveolated</b>			
	<b>FC 2525 RA</b>	dimensions 255 x 255 x 115 mm - Ⓢ (CEI 23-48) composed of: - base box FC 2525 MS - frame FC 2525 TS for half-covers - alveolated half-cover FC 1225 SA - opaque half-cover FC 1225 SR provided with sized DIN-rail EN 60715	1
	<b>FC 2525 RAT</b>	dimensions 255 x 255 x 115 mm - Ⓢ (CEI 23-48) composed of: - base box FC 2525 MS - frame FC 2525 TS for half-covers - alveolated half-cover FC 1225 SA - transparent half-cover FC 1225 SRT provided with sized DIN-rail EN 60715 <i>predisposed for the assembly of:</i> - modular equipments, up to 10 units - devices with wall fixing	1

**N.B. - they take the lowest degree of protection of the mounted equipment**







## FC box systems for socket-outlet combinations

- in thermoplastic self-extinguishing resin, colour grey RAL 7035
- the box ground has an alveolated structure, for the easy screwing of the equipment in any position
- box sides with predisposed entry holes Pg 16/Pg 29
- half-covers can be fixed indifferently up or down

- hinged covers can be fixed on every side, therefore the cover can be opened according to requirement
- fitted out with all accessories
- with Italian Quality Mark (in compliance with the Italian standard CEI 23-48, corresponding to the International standard IEC 60670)

drawing	ILME part No.	description	packaging
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### box systems for socket-outlet combinations - IP55 (EN 60529)

#### mixed box for modular equipment and socket-outlets carriers



<b>FC 2525 RP</b>	dimensions 255 x 255 x 159.5 mm -  (CEI 23-48) composed of: - base box FC 2525 MS - frame FC 2525 TS for half-covers - half-cover FC 1225 SP to be pierced for straight flush-mounting sockets - opaque half-cover FC 1225 SR provided with sized DIN-rail EN 60715 <i>predisposed for the assembly of:</i> - modular equipments, up to 10 units - three 16A straight flush-mounting sockets 2P+/3P+ (C page 51) or two 16A straight flush-mounting sockets 3P+N+ (D page 51) or two 32A straight flush-mounting sockets 2P+/3P+/3P+N+ (D page 51)	1
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<b>FC 2525 RP3</b>	dimensions 255 x 255 x 159.5 mm -  (CEI 23-48) composed of: - base box FC 2525 MS - frame FC 2525 TS for half-covers - half-cover FC 1225 SF3 pierced for 3 straight flush-mounting sockets - opaque half-cover FC 1225 SR provided with sized DIN-rail EN 60715 <i>predisposed for the assembly of:</i> - three 16A straight flush-mounting sockets 2P+/3P+ (C page 51)	1
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<b>FC 2525 RP2</b>	dimensions 255 x 255 x 159.5 mm -  (CEI 23-48) composed of: - base box FC 2525 MS - frame FC 2525 TS for half-covers - half-cover FC 1225 SF2 pierced for 2 straight flush-mounting sockets - opaque half-cover FC 1225 SR provided with sized DIN-rail EN 60715 <i>predisposed for the assembly of:</i> - two 16A straight flush-mounting sockets 3P+N+ (D page 51) or two 32A straight flush-mounting sockets 2P+/3P+/3P+N+ (D page 51) - two 16A straight flush-mounting sockets 2P+/3P+ (D page 50)	1
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#### socket-outlets carrier



<b>FC 2525 PP</b>	dimensions 255 x 255 x 159.5 mm -  (CEI 23-48) composed of: - base box FC 2525 MS - frame FC 2525 TS for half-covers - 2 half-covers FC 1225 SP to be pierced for straight flush-mounting sockets <i>every half-cover is predisposed for the assembly of:</i> - three 16A straight flush-mounting sockets 2P+/3P+ (C page 51) or two 16A straight flush-mounting sockets 3P+N+ (D page 51) or two 32A straight flush-mounting sockets 2P+/3P+/3P+N+ (D page 51)	1
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<b>FC 2525 PP3</b>	dimensions 255 x 255 x 159.5 mm -  (CEI 23-48) composed of: - base box FC 2525 MS - frame FC 2525 TS for half-covers - 2 half-covers FC 1225 SF3 pierced for 3 straight flush-mounting sockets <i>every half-cover is predisposed for the assembly of:</i> - three 16A straight flush-mounting sockets 2P+/3P+ (C page 51)	1
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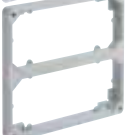









<b>FC 2525 PP2</b>	dimensions 255 x 255 x 159.5 mm -  (CEI 23-48) composed of: - base box FC 2525 MS - frame FC 2525 TS for half-covers - 2 half-covers FC 1225 SF2 pierced for 2 straight flush-mounting sockets <i>every half-cover is predisposed for the assembly of:</i> - two 16A straight flush-mounting sockets 3P+N+ (D page 51) or two 32A straight flush-mounting sockets 2P+/3P+/3P+N+ (D page 51) - two 16A straight flush-mounting sockets 2P+/3P+ (D page 50)	1
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**N.B. - they take the lowest degree of protection of the mounted equipment**



# FC components for socket-outlet combinations

- with Italian Quality Mark (in compliance with the Italian standard CEI 23-48, corresponding to the International standard IEC 60670)

drawing	ILME part No.	description	packaging
<b>box systems for socket-outlet combinations</b>			
	<b>FC 2525 MS</b>	small base box for box systems predisposed for the assembly of: – covers and frames FC 2525 ... series (CEI 23-48)	8
	<b>FC 2542 MS</b>	big base box for box systems predisposed for the assembly of: – in the upper opening, half-covers FC 1225 ... series – in the lower opening, covers and frames FC 2525 ... series (CEI 23-48)	2
	<b>FC 2525 CR</b>	cover for FC 2525 MU and FC 2542 RA/RAT (CEI 23-48)	6
	<b>FC 2525 TS</b>	frame with two rooms for: – half-covers modular equipment FC 1225 SR/SRT – half-covers socket-outlets carrier FC 1225 SP/SF3/SF2 – half-covers alveolated FC 1225 SA	5
	<b>FC 2525 TS2</b>	frame with two rooms for: – interlocked switched socket-outlets SQE - SQE.5 - SQV - SQV.5 series (pages 40÷41) – socket-outlets with transformer SQT 16220 series (page 39) (CEI 23-48)	5
	<b>FC 2525 TS3</b>	frame with three rooms for: – two interlocked switched sockets SQ series (page 39) – or two covers FC 1114 RD for fixing modular equipments (hereunder) – one interlocked switched socket-outlets SQE - SQE.5 - SQV - SQV.5 series (pages 40÷41) or one socket-outlet with transformer SQT 16220 series (page 39) (CEI 23-48)	5
	<b>FC 1114 RD</b>	cover to close SQ room provided with transparent cover, sized DIN-rail EN 60715 for mounting of modular equipments (5 units) (CEI 23-48)	4
	<b>FC 1225 SR</b>	half-cover for FC 2525 RP/RA and FC 2542 RA/QV/BM (CEI 23-48)	8
	<b>FC 1225 SRT</b>	transparent half-cover for FC 2525 RAT and FC 2542 RAT/QVT/BMT (CEI 23-48)	8
	<b>FC 1225 SP</b>	half-cover to be pierced for straight flush-mounting sockets (CEI 23-48)	6
	<b>FC 1225 SF3</b>	half-cover pierced for: – three 16A straight flush-mounting sockets 2P+/3P+ (C page 51) (CEI 23-48)	6
	<b>FC 1225 SF2</b>	half-cover pierced for: – two 16A straight flush-mounting sockets 3P+N+ (D page 51) – two 32A straight flush-mounting sockets 2P+/3P+/3P+N+ (D page 51) – two 16A straight flush-mounting sockets 2P+/3P+ (D page 50) (CEI 23-48)	6
	<b>FC 1225 SA</b>	half-cover for FC 2525 RA (CEI 23-48)	6



- all components (modules, boxes, covers, etc.) are in self-extinguishing glass fibre reinforced polyester, UL-listed, colour grey RAL 7035
- all exterior metal parts (screws, pins, springs, etc.) are in stainless steel
- threaded seats, unlosable screws
- gaskets in anti-ageing rubber, resistant to oil

## characteristics of the BK system

The BK system comprises several components and accessories for the easy preparation of small distribution boards.

All components are contained and supported by a unique modular panel structure of small dimensions (114 x 228 mm).

This series can be used for built-in mounting (boards, panels, spaces in machines, niches, etc.) or wherever it is necessary a reduced protrusion and a rear wiring.

When completed with their boxes (single, triple, etc) the BK components become like the traditional wall mounting executions with the advantage of installing the boxes at first and of wiring them afterwards in the most opportune way.

Degree of protection IP66/67 (EN 60529).

## overview of the BK system



- 1 - interlocked switched socket-outlet with fuse base "BK"
- 2 - interlocked switched socket-outlet without fuse base "BE"
- 3 - socket-outlet with transformer "BT"
- 4 - single cover "BC 1123 P"
- 5 - cover with hole for one straight built-in socket "Q"
- 6 - cover with hole for two straight built-in sockets "Q2"
- 7 - cover with window for modular control equipment "R"
- 8 - cover with hole for one straight built-in socket and window for modular control equipment "RQ"
- 9 - cover with 63A socket-outlet "BP"
- 10 - cover with window for modular control equipment and 63A socket-outlet "BPR"
- 11 - gaskets for flush-mounting "BC 1123 ME"
- 12 - mounting plate "BC 1123 PF"

- 13 - window for modular control equipment "BC 45 ST"
- 14 - flat cover for triple box "BC 1734 P3"
- 15 - triple box cover for modular control equipment "BC 1734 R3"
- 16 - closing plates for unused spaces "BC FR 62"
- 17 - safety block with key for triple box covers "BC CHT"
- 18 - DIN-rail EN 60715 for triple box
- 19 - alveolated panel for triple box
- 20 - single box "BC 1123 CS"
- 21 - triple box "BC 4034 T3"
- 22 - climbing iron to fix boxes "BC SFT"
- 23 - DIN-rail EN 60715 made to measure and with fixing screws "BC GD8"
- 24 - safety lock for socket-outlets handles "BC BLC"



- all components (modules, boxes, covers, etc.) are in self-extinguishing glass fibre reinforced polyester, UL-listed, colour grey RAL 7035
- all exterior metal parts (screws, pins, springs, etc.) are in stainless steel
- threaded seats, unlosable screws

- gaskets in anti-ageing rubber, resistant to oil
- mechanical resistance to impacts: 20 J
- with Italian Quality Mark
- ☆ homologation R.I.Na. n. ELE/015260/RBN (limit of 20A for voltages > 380V)

drawing

ILME  
part No.

description

packaging

interlocked switched socket-outlets  
without fuse carriers

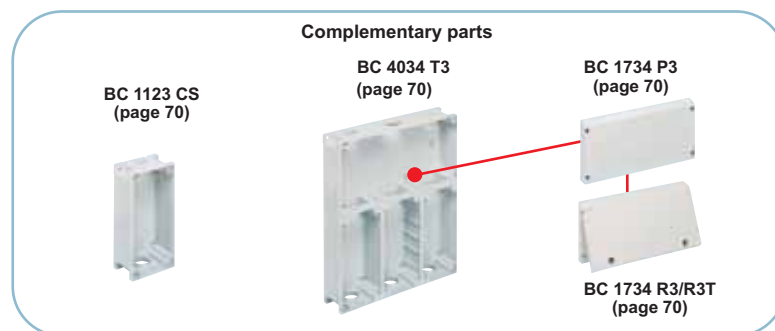
degree of protection IP66/IP67 (EN 62262)  
in compliance with standards EN 60309-1, -2 and -4  
inserts in insulating self-extinguishing thermoplastic material, UL-listed  
spring lid with locking ring and gasket  
double mechanical interlock: switch can only be turned to the "ON" position when the plug is inserted. Plug can only be removed when the switch is in the "OFF" position  
**100÷130V ~ - 50 and 60 Hz - yellow**



16A-32A

<b>BE 1643</b>	16A - 2P + ⊕ - 4h ● - ⊕ ☆	1
<b>BE 1644</b>	16A - 3P + ⊕ - 4h ● - ⊕ ☆	1
<b>BE 1645</b>	16A - 3P + N + ⊕ - 4h ● - ⊕ ☆	1
<b>BE 3243</b>	32A - 2P + ⊕ - 4h ● - ⊕ ☆	1
<b>BE 3244</b>	32A - 3P + ⊕ - 4h ● - ⊕ ☆	1
<b>BE 3245</b>	32A - 3P + N + ⊕ - 4h ● - ⊕ ☆	1
<b>200÷250V ~ - 50 and 60 Hz - blue</b>		
<b>BE 1663</b>	16A - 2P + ⊕ - 6h ● - ⊕ ☆ ◇	1
<b>BE 1694</b>	16A - 3P + ⊕ - 9h ● - ⊕ ☆	1
<b>BE 1695</b>	16A - 3P + N + ⊕ - 9h ● - ⊕ ☆	1
<b>BE 3263</b>	32A - 2P + ⊕ - 6h ● - ⊕ ☆ ◇	1
<b>BE 3294</b>	32A - 3P + ⊕ - 9h ● - ⊕ ☆	1
<b>BE 3295</b>	32A - 3P + N + ⊕ - 9h ● - ⊕ ☆	1
<b>380÷415V ~ - 50 and 60 Hz - red</b>		
<b>BE 1693</b>	16A - 2P + ⊕ - 9h ● - ⊕ ☆	1
<b>BE 1664</b>	16A - 3P + ⊕ - 6h ● - ⊕ ☆ ◇	1
<b>BE 1665</b>	16A - 3P + N + ⊕ - 6h ● - ⊕ ☆ ◇	1
<b>BE 3293</b>	32A - 2P + ⊕ - 9h ● - ⊕ ☆	1
<b>BE 3264</b>	32A - 3P + ⊕ - 6h ● - ⊕ ☆ ◇	1
<b>BE 3265</b>	32A - 3P + N + ⊕ - 6h ● - ⊕ ☆ ◇	1
<b>480÷500V ~ - 50 and 60 Hz - black</b>		
<b>BE 1674</b>	16A - 3P + ⊕ - 7h ● - ⊕ ☆	1
<b>BE 1675</b>	16A - 3P + N + ⊕ - 7h ● - ⊕ ☆	1
<b>BE 3274</b>	32A - 3P + ⊕ - 7h ● - ⊕ ☆	1
<b>BE 3275</b>	32A - 3P + N + ⊕ - 7h ● - ⊕ ☆	1

◇ The articles with hour position 6h refer to the rated voltage (2P+⊕/220÷250V ~ - 3P+⊕ and 3P+N+⊕/380÷415V ~)





# BK distribution system

- all components (modules, boxes, covers, etc.) are in self-extinguishing glass fibre reinforced polyester, UL-listed, colour grey RAL 7035
- all exterior metal parts (screws, pins, springs, etc.) are in stainless steel
- threaded seats, unlosable screws

- gaskets in anti-ageing rubber, resistant to oil
- mechanical resistance to impacts: 20 J
- with Italian Quality Mark
- ☆ homologation R.I.Na. n. E.LE/015260/RBN (limit of 20A for voltages > 380V)

drawing

ILME part No.

description

packaging

## interlocked switched socket-outlets with fuse carriers

degree of protection IP66/IP67 (EN 62262)  
 in compliance with standards EN 60309-1, -2 and -4  
 inserts in insulating self-extinguishing thermoplastic material, UL-listed  
 spring lid with locking ring and gasket  
 double mechanical interlock: switch can only be turned to the "ON" position when the plug is inserted. Plug can only be removed when the switch is in the "OFF" position  
 fuse carriers for cylindrical cartridges 10x38 mm - fuse-links not included



16A-32A

100÷130V ~ - 50 and 60 Hz - yellow			
BK 1643	16A - 2P + ⊕	- 4h ● - ⊕ ☆	9
BK 1644	16A - 3P + ⊕	- 4h ● - ⊕ ☆	9
BK 1645	16A - 3P + N + ⊕	- 4h ● - ⊕ ☆	9
BK 3243	32A - 2P + ⊕	- 4h ● - ⊕ ☆	9
BK 3244	32A - 3P + ⊕	- 4h ● - ⊕ ☆	9
BK 3245	32A - 3P + N + ⊕	- 4h ● - ⊕ ☆	9
200÷250V ~ - 50 and 60 Hz - blue			
BK 1663	16A - 2P + ⊕	- 6h ● - ⊕ ☆ ◇	9
BK 1694	16A - 3P + ⊕	- 9h ● - ⊕ ☆	1
BK 1695	16A - 3P + N + ⊕	- 9h ● - ⊕ ☆	1
BK 3263	32A - 2P + ⊕	- 6h ● - ⊕ ☆ ◇	9
BK 3294	32A - 3P + ⊕	- 9h ● - ⊕ ☆	1
BK 3295	32A - 3P + N + ⊕	- 9h ● - ⊕ ☆	1
380÷415V ~ - 50 and 60 Hz - red			
BK 1693	16A - 2P + ⊕	- 9h ● - ⊕ ☆	9
BK 1664	16A - 3P + ⊕	- 6h ● - ⊕ ☆ ◇	9
BK 1665	16A - 3P + N + ⊕	- 6h ● - ⊕ ☆ ◇	9
BK 3293	32A - 2P + ⊕	- 9h ● - ⊕ ☆	9
BK 3264	32A - 3P + ⊕	- 6h ● - ⊕ ☆ ◇	9
BK 3265	32A - 3P + N + ⊕	- 6h ● - ⊕ ☆ ◇	9
480÷500V ~ - 50 and 60 Hz - black			
BK 1674	16A - 3P + ⊕	- 7h ● - ⊕ ☆	1
BK 1675	16A - 3P + N + ⊕	- 7h ● - ⊕ ☆	9
BK 3274	32A - 3P + ⊕	- 7h ● - ⊕ ☆	9
BK 3275	32A - 3P + N + ⊕	- 7h ● - ⊕ ☆	9

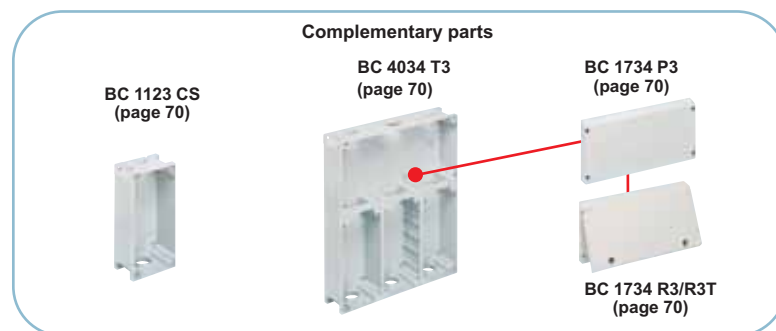
◇ The articles with hour position 6h refer to the rated voltage (2P+⊕/220÷250V ~ - 3P+⊕ and 3P+N+⊕/380÷415V ~)

## socket-outlets with safety transformer - 144 VA continuous service

for class III lighting apparatus  
 degree of protection IP66/IP67 (EN 62262)  
 inserts in insulating self-extinguishing thermoplastic material, UL-listed  
 spring lid with locking ring and gasket  
 primary switched by plug insertion



BT 16220	16A - 2P ● - 24V - - 50 and 60 Hz - transf. 220/24V	1
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- cover in self-extinguishing glass fibre reinforced polyester, UL-listed, colour grey RAL 7035
- metal parts in stainless steel
- threaded seats, unlosable screws
- gaskets in anti-ageing rubber, resistant to oil
- mechanical resistance to impacts: 20 J
- with Italian Quality Mark

drawing

ILME  
part No.

description

packaging



63A

### cover with 63A socket-outlet

degree of protection IP66/IP67 (EN 62262)  
in compliance with standards EN 60309-1, -2 and -4  
inserts and enclosures in insulating self-extinguishing thermoplastic material, UL-listed  
spring lid with locking ring and gasket  
63A socket-outlet with pilot contact and nickel-plated contacts  
**100÷130V~ - 50 and 60 Hz - yellow**

<b>BP 6343</b>	63A - 2P + ⊕	- 4h ● - ⊕	1
<b>BP 6344</b>	63A - 3P + ⊕	- 4h ● - ⊕	1
<b>BP 6345</b>	63A - 3P + N + ⊕	- 4h ● - ⊕	1
<b>200÷250V~ - 50 and 60 Hz - blue</b>			
<b>BP 6363</b>	63A - 2P + ⊕	- 6h ● - ⊕◇	9
<b>BP 6394</b>	63A - 3P + ⊕	- 9h ● - ⊕	1
<b>BP 6395</b>	63A - 3P + N + ⊕	- 9h ● - ⊕	1
<b>380÷415V~ - 50 and 60 Hz - red</b>			
<b>BP 6393</b>	63A - 2P + ⊕	- 9h ● - ⊕	1
<b>BP 6364</b>	63A - 3P + ⊕	- 6h ● - ⊕◇	9
<b>BP 6365</b>	63A - 3P + N + ⊕	- 6h ● - ⊕◇	9
<b>480÷500V~ - 50 and 60 Hz - black</b>			
<b>BP 6374</b>	63A - 3P + ⊕	- 7h ● - ⊕	1
<b>BP 6375</b>	63A - 3P + N + ⊕	- 7h ● - ⊕	1

N.B. - The IMQ approval indicated beside the a.m. part Nos. is referring to the components (cover + socket-outlet)  
◇ The articles with hour position 6h refer to the rated voltage (2P+⊕/220÷250V ~ - 3P+⊕ and 3P+N+⊕/380÷415V ~)

### cover with transparent window for modular control equipment and 63A socket-outlet

degree of protection IP66/IP67 (EN 62262)  
in compliance with standards EN 60309-1, -2 and -4  
inserts and enclosures in insulating self-extinguishing thermoplastic material, UL-listed  
spring lid with locking ring and gasket  
63A socket-outlet with pilot contact and nickel-plated contacts  
transparent window in self-extinguishing polycarbonate, UL-listed  
for fixing up to 4.5 units  
closing plates for empty spaces  
DIN-rail EN 60715 made to measure and with fixing screws  
bottom plate provided with inserts and fixing screws

**100÷130V~ - 50 and 60 Hz - yellow**

<b>BPR 6343</b>	63A - 2P + ⊕	- 4h ● - ⊕	9
<b>BPR 6344</b>	63A - 3P + ⊕	- 4h ● - ⊕	9
<b>BPR 6345</b>	63A - 3P + N + ⊕	- 4h ● - ⊕	9
<b>200÷250V~ - 50 and 60 Hz - blue</b>			
<b>BPR 6363</b>	63A - 2P + ⊕	- 6h ● - ⊕◇	9
<b>BPR 6394</b>	63A - 3P + ⊕	- 9h ● - ⊕	9
<b>BPR 6395</b>	63A - 3P + N + ⊕	- 9h ● - ⊕	9
<b>380÷415V~ - 50 and 60 Hz - red</b>			
<b>BPR 6393</b>	63A - 2P + ⊕	- 9h ● - ⊕	9
<b>BPR 6364</b>	63A - 3P + ⊕	- 6h ● - ⊕◇	9
<b>BPR 6365</b>	63A - 3P + N + ⊕	- 6h ● - ⊕◇	9
<b>480÷500V~ - 50 and 60 Hz - black</b>			
<b>BPR 6374</b>	63A - 3P + ⊕	- 7h ● - ⊕	9
<b>BPR 6375</b>	63A - 3P + N + ⊕	- 7h ● - ⊕	9

N.B. - The IMQ approval indicated beside the a.m. part Nos. is referring to the components (cover + socket-outlet).  
◇ The articles with hour position 6h refer to the rated voltage (2P+⊕/220÷250V ~ - 3P+⊕ and 3P+N+⊕/380÷415V ~)



63A



## BK distribution system

- all components (modules, boxes, covers, etc.) are in self-extinguishing glass fibre reinforced polyester, UL-listed, colour grey RAL 7035
- all exterior metal parts (screws, pins, springs, etc.) are in stainless steel
- threaded seats, unlosable screws
- gaskets in anti-ageing rubber, resistant to oil
- with Italian Quality Mark (in compliance with the Italian standard CEI 23-48, corresponding to the International standard IEC 60670)

drawing	ILME part No.	description	packaging
<b>complementary parts and accessories of the BK system</b>			
	<b>BC 1123 CS</b>	<b>single box</b> equipped with: - cable glands Pg 21 and Pg 29 - plugs ARD 21 and ARD 29 all with gasket (CEI 23-48)	15
	<b>BC 1123 ME</b>	<b>gasket for flush mounting</b> in anti-ageing rubber to be mounted on modules built-in in niches with irregular edges or in niches made on tiled surfaces, to cover possible cracks	1
	<b>BC 1123 P</b>	<b>single cover</b> to close unused spaces, as cover of equipment mounted on the back plate or as support for board accessories it is equipped with gasket and stainless steel fixing screws (CEI 23-48)	1
	<b>BC 4034 T3</b>	<b>triple box</b> equipped with: - cable glands Pg 29 and Pg 36 - plugs ARD 29 and ARD 36 all with gasket climbing irons for wall mounting separators for entry/shunt zone (CEI 23-48)	2
	<b>BC 1734 P3</b>	<b>plate cover for triple box</b> to close the connecting zone of the triple box equipped with gasket, stainless steel blocking screws alveolated bottom, set of screws (CEI 23-48)	2
	<b>BC 1734 R3</b>	<b>triple box cover for mounting modular control equipment</b> to close the connecting zone of the triple box with room for modular equipments (up to 16 units) and opaque cover	2
	<b>BC 1734 R3T</b>	to close the connecting zone of the triple box with room for modular equipments (up to 16 units) and transparent cover  equipped with gaskets, stainless steel blocking screws DIN-rail EN 60715 right sized and with fixing screws, a series of small plates to close the unused spaces (CEI 23-48)	2
	<b>BC 1123 PF</b>	<b>box mounting plate - with inserts</b> to be mounted on the ground of the single or triple box steel made	1
	<b>BC CHT</b>	<b>safety block with key</b> to lock the cover BC 1734 R3 supplied with two keys	1
	<b>BC FR 62</b>	<b>plates for empty spaces</b> to close empty modular spaces it comprises fractions of modules 17.5 mm (6 of $\frac{3}{4}$ + 2 of $\frac{1}{4}$ modules)	1
	<b>BC SFT</b>	<b>climbing iron for boxes</b> climbing iron for external wall mounting supplied with fixing screws	1

**BK devices, when mounted on their boxes, keep IP66/67 degree of protection**



# BK distribution system

- all components (modules, boxes, covers, etc.) are in self-extinguishing glass fibre reinforced polyester, UL-listed, colour grey RAL 7035
- all exterior metal parts (screws, pins, springs, etc.) are in stainless steel

- threaded seats, unlosable screws
- gaskets in anti-ageing rubber, resistant to oil
- with Italian Quality Mark (in compliance with the Italian standard CEI 23-48, corresponding to the International standard IEC 60670)

drawing	ILME part No.	description	packaging
<b>complementary parts and accessories of the BK system</b>			
<b>cover with hole for one flush-mounting socket-outlet</b>			
	BC 1123 Q	suitable for straight flush-mounting sockets with flange 80x80 mm (see pages 11-29) Ⓢ (CEI 23-48)	1
<b>cover with holes for two flush-mounting socket-outlets</b>			
	BC 1123 Q2	suitable for straight flush-mounting sockets with flange 80x80 mm (see pages 11-29) Ⓢ (CEI 23-48)	1
<b>cover with window for modular control equipment</b>			
	BC 1123 R	4.5 units max equipped with DIN-rail EN 60715 right sized and with fixing screws back plate equipped with inserts and screws Ⓢ (CEI 23-48)	1
<b>cover with hole for one straight flush-mounting socket and window for modular control equipment</b>			
	BC 1123 RQ	suitable for straight flush-mounting sockets with flange 80x80 mm (see pages 11-29) 4.5 units max equipped with DIN-rail EN 60715 right sized and with fixing screws back plate equipped with inserts and screws Ⓢ (CEI 23-48)	1
<b>window for modular control equipment</b>			
	BC 45 ST	4.5 units max	50
<b>DIN-rail EN 60715</b>			
	BC GD8	in the right size with fixing screws	1
<b>safety lock for handles</b>			
	BC BLC	kit consisting of insert and lock so the operating handles can be locked in the open or closed position (for BE, BK, socket-outlets) supplied with two keys	1
<b>nuts reducing Pg to gas</b>			
	ARE 2134	for threaded holes Pg 21 - for pipes 3/4" gas	1
	ARE 291	for threaded holes Pg 29 - for pipes 1" gas	1
	ARE 3612	for threaded holes Pg 36 - for pipes 1" 1/2 gas	1
<b>ventilation glands</b>			
		provided with filter and gasket they have to be mounted in couple, in order to prevent condensation	
	ARV 16	for holes Pg 16	1
	ARV 21	for holes Pg 21	1
	ARV 29	for holes Pg 29	1

**BK devices, when mounted on their boxes, keep IP66/67 degree of protection**

For technical data-sheet and further information please look at our technical catalogues on website [www.ilme.com](http://www.ilme.com)



# QM

portable distribution panels  
for construction sites (ACS)





# QM - factory assembled board for construction sites (ACS)

- basic board type QM V P4 / QM V P6 for 4 / 6 Pluso series flush-mounting sockets type PEW...PQ/PQF (IP67)
- basic board type QM V S2 for 2 series interlocked sockets SQ type SQE...5 (IP65)
- magnetothermal mains with intervention characteristic C and Icn = 6 kA
- differential protection with intervention characteristic AC, ΔIn = 0,03 A and ΔIm = 6 kA
- power cable = 4m, type H07 RN-F 2G2,5, 3G2,5, 4G2,5 or 4G4 according to rated current and wired plug
- with Italian Quality Mark

drawing

ILME part No.

description

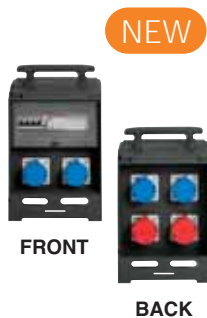
packaging

## with socket-outlet PEW PQ / PQF series



	magnetothermal mains switch with differential protection	maximum withdrawable active power values	plug entry	N. socket-outlets	PEW 1663 PQF 16A, 230V, 2P+⊕, 6h	PEW 1664 PQF 16A, 400V, 3P+⊕, 6h	PEW 1665 PQ 16A, 230 / 400V, 3P+N+⊕, 6h	PEW 3264 PQ 32A, 400V, 3P+⊕, 6h	16A - 2P+⊕ Schuko® IP55	
	A	kW								
QM PA4	16	3	PEW 1663 SV	4	4					1
QM PB4	16	9	PEW 1664 SV	4		4				1
QM PC22	16	9	PEW 1665 SV	4	2	2				1
QM PD22	16	3	PEW 1663 SV	4	2				2	1
QM PH211	16	9	PEW 1665 SV	4	2	1	1			1
QM PL211	32*	18	PEW 3265 SV	4	2	1		1		1

## with socket-outlet PEW PQ / PQF series



	magnetothermal mains switch with differential protection	maximum withdrawable active power values	plug entry	N. socket-outlets	PEW 1663 PQF 16A, 230V, 2P+⊕, 6h	PEW 1664 PQF 16A, 400V, 3P+⊕, 6h	PEW 1665 PQ 16A, 230 / 400V, 3P+N+⊕, 6h	PEW 3264 PQ 32A, 400V, 3P+⊕, 6h	16A - 2P+⊕ Schuko® IP55	
	A	kW								
QM PA6	16	3	PEW 1663 SV	6	6					1
QM PC33	16	9	PEW 1665 SV	6	3	3				1
QM PC42	16	9	PEW 1665 SV	6	4	2				1
QM PH222	16	9	PEW 1665 SV	6	2	2	2			1
QM PI222	32*	18	PEW 3265 SV	6	2	2		2		1
QM PL222	16	9	PEW 1665 SV	6	2	2			2	1

\* 16A magnetothermal switch in addition to the magnetothermal mains switch with different protection

## QM WITH IP55 SCHUKO® SOCKETS (ACCORDING TO EN 60529)



For technical data-sheet and further information please look at our technical catalogues on website [www.ilme.com](http://www.ilme.com)



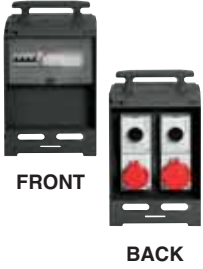
# QM - factory assembled board for construction sites (ACS)

- basic board type QM V P4 / QM V P6 for 4 / 6 Pluso series flush-mounting sockets type PEW...PO/PQF (IP67)
- basic board type QM V S2 for 2 series interlocked sockets SQ type SQE...5 (IP65)
- magnetothermal mains with intervention characteristic C and Icn = 6 kA
- differential protection with intervention characteristic AC, IΔn = 0,03 A and IΔm = 6 kA
- power cable = 4m, type H07 RN-F 2G2,5, 3G2,5, 4G2,5 or 4G4
- according to rated current and wired plug
- Ⓢ with Italian Quality Mark

drawing                      ILME part No.                      description                      packaging

## with interlocked socket-outlet SQE series

NEW



	magnetothermal mains switch with differential protection	maximum withdrawable active power values	plug entry	N. socket-outlets	SQE 1663.5 16A, 230V, 2P+Ⓢ, 6h	SQE 1664.5 16A, 400V, 3P+Ⓢ, 6h	SQE 1665.5 16A, 230 / 400V, 3P+N+Ⓢ, 6h	SQE 3264.5 32A, 400V, 3P+Ⓢ, 6h	SQT 16220 16A, 24V, 2P+Ⓢ	
	A	kW								
QM SA2	16	3	PEW 1663 SV 2	2	●	●	●	●	●	1
QM SB2	16	9	PEW 1664 SV 2	2		●				1
QM SC11	16	9	PEW 1665 SV 2	2	1	1				1
QM SE11	16	9	PEW 1665 SV 2	2	1		1			1
QM SF11	32*	18	PEW 3265 SV 2	2	1			1		1
QM SG11**	16	3	PEW 1663 SV 2	2	1				1**	1

\* 16A magnetothermal switch in addition to the magnetothermal mains switch with different protection  
 \*\* without IMO approval



# ACS BOXES QG - QP





# QC - box and factory assembled boards for construction sites (ACS) with socket-outlets TM and SQV series

- in shock proof and self-extinguishing thermoplastic material, colour grey RAL 7012
- for wall-mounting or with support
- assembled version supplied with every accessory (power supply plug, socket-outlets, safety devices, wirings, etc.) ready to be used, fuses and other plugs not included
- assembled board consisting of wall-mount entry plug, basic board QP V, main emergency push-button and release coil
- degree of protection IP55 (EN 60529), in compliance with standard EN 60439-4
- with Italian Quality Mark

drawing

ILME part No.

description

packaging

## with socket-outlets TM series



	A	KW	wall plug 400V, 3P+N+⊕, 6h (red)	N. socket-outlets	TM 1663 IT 16A, 250V, 2P+⊕, 6h (blue)	TM 1664 IT 16A, 400V, 3P+⊕, 6h (red)	TM 1665 IT 16A, 400V, 3P+N+⊕, 6h (red)	TM 3264 IT 32A, 400V, 3P+⊕, 6h (red)	TM 3265 IT 32A, 400V, 3P+N+⊕, 6h (red)	TM 16220 T1 16A, 24V, 2P, s.r. (violet)
QP TI A	63	35	63	5	2	2		1		1
QP TI A-1	63	35	63	5	2	2			1	1
QP TI B	40	20	63	5	2	3				1
QP TI B-1	40	20	63	4	2	1	1			1
QP TI B-2	40	20	63	5	3	2				1
QP TI C	63	35	63	5	3	1		1		1
QP TI C-1	63	35	63	5	3	1			1	1
QP TI C-2 **	63	35	63	5	2	1		1		1
QP TI D	63	35	63	5	1	3		1		1

## with socket-outlets SQV series



	A	KW	wall plug 400V, 3P+N+⊕, 6h (red)	N. socket-outlets	SQV 1663.5 16A, 250V, 2P+⊕, 6h (blue)	SQV 1664.5 16A, 400V, 3P+⊕, 6h (red)	SQV 1665.5 16A, 400V, 3P+N+⊕, 6h (red)	SQV 3264.5 32A, 400V, 3P+⊕, 6h (red)	SQV 3265.5 32A, 400V, 3P+N+⊕, 6h (red)	SQT 16220 16A, 24V, 2P, s.r. (violet)
QP SQ A	63	35	63	5	2	2		1		1
QP SQ A-1	63	35	63	5	2	2			1	1
QP SQ A-3	63	35	63	5	2	1	1		1	1
QP SQ B	40	20	63	5	2	3				1
QP SQ B-1	40	20	63	4	2	1	1			1
QP SQ B-2	40	20	63	5	3	2				1
QP SQ B-6	40	20	63	4	3		1			1
QP SQ B-9	40	20	63	4	2	2				1
QP SQ C	63	35	63	5	3	1		1		1
QP SQ C-1	63	35	63	5	3	1			1	1
QP SQ C-2 **	63	35	63	5	2	1		1		1
QP SQ D	63	35	63	5	1	3		1		1
QP SQ E	63	35	63	6	2	2		2		1
QP SQ E-1	63	35	63	6	2	3		1		1
QP SQ E-2	63	35	63	6	2		2		2	1
QP SQ E-3	63	35	63	6	2	2	1		1	1
QP SQ E-4	63	35	63	6	2	1	1		2	1
QP SQ E-5	63	35	63	6	4			2		1
QP SQ E-6	63	35	63	6	4	2				1
QP SQ E-7	63	35	63	6	2	2		1	1	1
QP SQ E-8	63	35	63	6	4		2			1
QP SQ F	63	35	63	6	3	2			1	1
QP SQ F-1	63	35	63	6	3	1	1		1	1
QP SQ FM	63	35	term.*	6	3	1	1		1	1
QP SQ G	63	35	63	5		2		3		1

\* entry with gland, conductors' fixing on terminal block

\*\* without IMQ approval

Further executions of the factory assembled boards with different ILME sockets, within the maximum power supply, keep the Italian Quality Mark - IMQ.

On request we can supply construction site board with differential mains type A. Please contact the export dept. at ILME SpA. for further information.





# QC - box and factory assembled boards for construction sites (ACS) with socket-outlets TM and SQV series

- in shock proof and self-extinguishing thermoplastic material, colour grey RAL 7012
- for wall-mounting or with support
- assembled version supplied with every accessory (power supply plug, socket-outlets, safety devices, wirings, etc.) ready to be used, fuses and other plugs not included
- assembled board consisting of wall-mount entry plug, basic board QG V, main emergency push-button and release coil
- degree of protection IP55 (EN 60529), in compliance with standard EN 60439-4
- with Italian Quality Mark

drawing

ILME  
part No.

description

packaging

## with socket-outlets TM series



	magnetothermal mains switch with differential protection		maximum withdrawable active power values		wall plug 400V, 3P+N+⊕, 6h (red)		N. socket-outlets		TM 1663 IT 16A, 250V, 2P+⊕, 6h (blue)	TM 1664 IT 16A, 400V, 3P+⊕, 6h (red)	TM 1665 IT 16A, 400V, 3P+N+⊕, 6h (red)	TM 3264 IT 32A, 400V, 3P+⊕, 6h (red)	TM 3265 IT 32A, 400V, 3P+N+⊕, 6h (red)	TM 6364 IT 63A, 400V, 3P+⊕, 6h (red)	TM 6365 IT 63A, 400V, 3P+N+⊕, 6h (red)	TM 16220 T1 16A, 24V, 2P, s.r. (violet)
	A	kW														
QG TI A	63	35	63	7	2	3			●	●		2				1
QG TI B	63	35	63	7	3	3			●	●		1				1
QG TI B-1	63	35	63	7	3	2	1		●	●			1			1
QG TI B-2 **	63	35	63	7	2	3			●	●		1			1	1
QG TI C	63	35	63	7	2	4			●	●						1
QG TI D	100 *	55	125	7	2	3			●	●		1		1		1

## with socket-outlets SQV series



	magnetothermal mains switch with differential protection		maximum withdrawable active power values		wall plug 400V, 3P+N+⊕, 6h (red)		N. socket-outlets		SQV 1663.5 16A, 250V, 2P+⊕, 6h (blue)	SQV 1664.5 16A, 400V, 3P+⊕, 6h (red)	SQV 1665.5 16A, 400V, 3P+N+⊕, 6h (red)	SQV 3264.5 32A, 400V, 3P+⊕, 6h (red)	SQV 3265.5 32A, 400V, 3P+N+⊕, 6h (red)	TM 6364 IS 63A, 400V, 3P+⊕, 6h (red)	TM 6365 IS 63A, 400V, 3P+N+⊕, 6h (red)	SQT 16220 16A, 24V, 2P, s.r. (violet)
	A	kW														
QG SQ A	63	35	63	7	2	3			●	●		2				1
QG SQ B	63	35	63	7	3	3			●	●		1				1
QG SQ B-1	63	35	63	7	3	2	1		●	●			1			1
QG SQ B-2 **	63	35	63	7	2	3			●	●		1				1
QG SQ C	63	35	63	7	2	4			●	●						1
QG SQ D	100 *	55	125	7	2	3			●	●		1		1		1
QG SQ D-1	100	55	125	6	2	2			●	●				1		1
QG SQ D-2	100	55	125	6	1				●	●		4		1		1
QG SQ E	100 *	55	125	8	3	3			●	●		2				1
QG SQ F	100 *	55	125	9	3	4			●	●		2				1

\* 100A magnetothermal mains switch  
Secondary protection switches for the sockets  
\*\* without IMQ approval

Further executions of the factory assembled boards with different ILME sockets, within the maximum power supply, keep the Italian Quality Mark - IMQ.  
On request we can supply construction site board with differential mains type A. Please contact the export dept. at ILME SpA. for further information.





QC - QM  
boards for  
construction sites  
empty

- in shock proof and self-extinguishing thermoplastic material, colour grey RAL 7012
- assembled version supplied with every accessory for the mounting

drawing	ILME part No.	description	packaging
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kit for construction site boards

degree of protection IP55 (EN 60529) but they assume the lowest degree of protection between the mounted devices

NEW



QM V P4

- empty board to be mounted with 4 PE / PEW...PQ / PQF sockets with flange 80 x 80 mm:
- 1 rail half shell complete with spring hinged cover
  - 1 socket-outlet half shell
  - 1 DIN EN 60715, 219 mm rail with fastening screws
  - 1 Pg 21 IP65 angled cable gland
  - 1 25 mm<sup>2</sup> earth terminal
  - 16 self tapping stainless steel screws, suitable for plastics, 3.9x19 mm, mixed cuts / Ph (to fasten socket-outlets)
  - 1 cable clamp + 2 screws, 3.9x32 mm + 2 flat washers Ø 4x8 mm to fix the cable clamp
  - 6 self tapping screws, 3.9x22 mm with stainless steel flat washers (to fix half shells)
  - 2 DIN module blanking units
  - 1 plate to be filled with data
  - 1 document holder pocket

1

NEW



QM V P6

- empty board to be mounted with 6 PE / PEW...PQ / PQF sockets with flange 80 x 80 mm:
- 1 rail half shell complete with spring hinged cover
  - 1 socket-outlet half shell
  - 1 DIN EN 60715, 219 mm rail with fastening screws
  - 1 Pg 21 IP65 angled cable gland
  - 1 25 mm<sup>2</sup> earth terminal
  - 24 self tapping stainless steel screws, suitable for plastics, 3.9x19 mm, mixed cuts / Ph (to fasten socket-outlets)
  - 1 cable clamp + 2 screws, 3.9x32 mm + 2 flat washers Ø 4x8 mm to fix the cable clamp
  - 6 self tapping screws, 3.9x22 mm with stainless steel flat washers (to fix half shells)
  - 2 DIN module blanking units
  - 1 plate to be filled with data
  - 1 document holder pocket

1

NEW



QM V S2

- empty board to be mounted with 2 SQE / SQV / SQT interlocked sockets:
- 1 rail half shell complete with spring hinged cover
  - 1 socket-outlet half shell
  - 1 DIN EN 60715, 219 mm rail with fastening screws
  - 1 Pg 21 IP65 angled cable gland
  - 1 25 mm<sup>2</sup> earth terminal
  - 8 self tapping stainless steel screws, suitable for plastics, 3.9x19 mm, mixed cuts / Ph (to fasten socket-outlets)
  - 1 cable clamp + 2 screws, 3.9x32 mm + 2 flat washers Ø 4x8 mm to fix the cable clamp
  - 6 self tapping screws, 3.9x22 mm with stainless steel flat washers (to fix half shells)
  - 2 DIN module blanking units
  - 1 plate to be filled with data
  - 1 document holder pocket

1

NEW



QP V

- empty board L66 (660 x 710 x 410 mm) to be mounted composed of:
- 1 top panel,
  - 1 bottom panel,
  - 2 side panels,
  - 1 back panel with compartment (provided with DIN-rails, cable clamp, earth screw)
  - 2 covers (1 smooth and 1 with door) to close the compartment,
  - 1 panel door with triangular key locks,
  - cable glands, screws and assembling particulars

1

NEW



QG V

- empty board L96 (955 x 710 x 410 mm) to be mounted composed of:
- 1 top panel,
  - 1 bottom panel,
  - 2 side panels,
  - 1 back panel with compartment (provided with DIN-rails, cable clamp, earth screw)
  - 3 covers (2 smooth and 1 with door) to close the compartment,
  - 2 panel doors with triangular key locks,
  - cable glands, screws and assembling particulars

1

Diagram of the SQE/SQV/SQT devices to be assembled in the empty QM V... boards

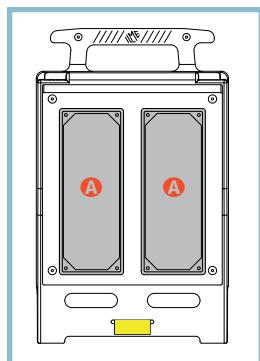
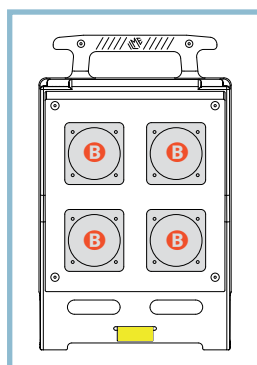
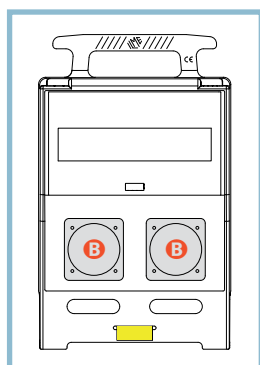


Diagram of the PE/PEW...PQ/PQF devices to be assembled in the empty QM V... boards



ILME socket-outlets assembled in empty boards (QM V P6, QM V P4 and QM V S2)

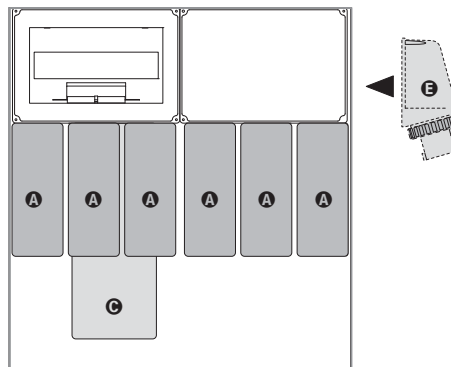
socket-outlets and plugs description	ILME series	degree of protection	rated current	socket-outlets/ plugs basic dimensions	fastening centre distance	diagram reference
interlocked switched socket-outlet without fuse carrier	<b>SQE</b>	IP44	16A and 32A	89 x 231 mm	68 x 192 mm	ref. <b>A</b>
interlocked switched socket-outlet without fuse carrier	<b>SQE .5</b>	IP55	16A and 32A	89 x 231 mm	68 x 192 mm	ref. <b>A</b>
interlocked switched socket-outlet with fuse carrier	<b>SQV</b>	IP44	16A and 32A	89 x 231 mm	68 x 192 mm	ref. <b>A</b>
interlocked switched socket-outlet with fuse carrier	<b>SQV .5</b>	IP55	16A and 32A	89 x 231 mm	68 x 192 mm	ref. <b>A</b>
socket-outlet with safety transformer	<b>SQT</b>	IP55	16A	89 x 231 mm	68 x 192 mm	ref. <b>A</b>
complementary built-in socket-outlet (Schuko® type) with door and gasket	<b>FM 88 RBT</b>		16A	80 x 80 mm	60 x 60 mm	ref. <b>B</b>
basic socket-outlet	<b>PE...PQ / PQF</b>	IP44	16A and 32A	80 x 80 mm	60 x 60 mm	ref. <b>B</b>
basic socket-outlet	<b>PEW...PQ / PQF</b>	IP67	16A and 32A	80 x 80 mm	60 x 60 mm	ref. <b>B</b>
Schuko® socket with cover and gasket	<b>FM 923 RAV</b>	IP55	16A	89 x 231 mm	68 x 192 mm	ref. <b>A</b>

- 1) The above diagrams are purely an example of the installation options and do not remove the need to verify the compatibility between the spaces where the protection apparatus will be situated (max. 12 modular units) and the installable output socket-outlets, or the need to verify heat conditions (terminal overtemperature) for the many possible combinations, this remaining the responsibility of the board manufacturer. The versions wired by ILME and included in the present catalogue have already been verified
- 2) When using socket-outlets that do not incorporate protection devices against overcurrents and short circuits (fuses or automatic magnetothermal switches), e.g. for SQE and PE/PEW...PQ/PQF socket-outlets, suitable devices must be installed upstream said socket-outlets, as specified by Standard EN 60439-4.



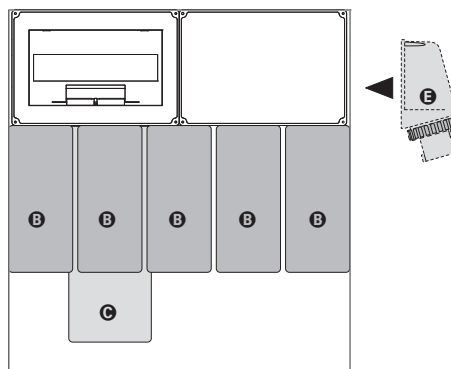
**Diagram of the SQV devices to be assembled in the empty QP V board**

- A** = SQV
- C** = TM 32A and 63A
- E** = PEW 6365 SM-S



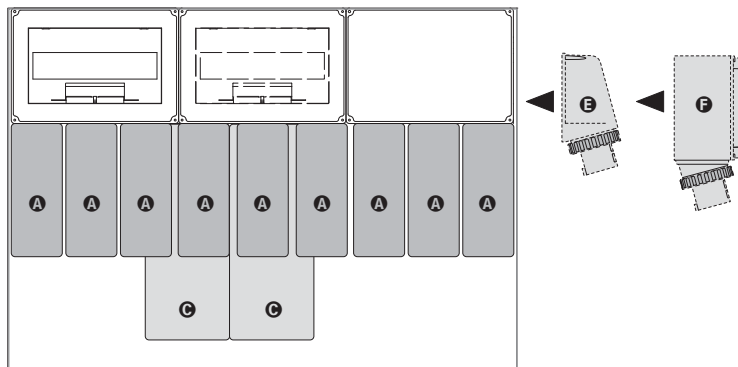
**Diagram of the TM devices to be assembled in the empty QP V board**

- B** = TM 16A and 32K
- C** = TM 32A and 63A
- E** = PEW 6365 SM-S



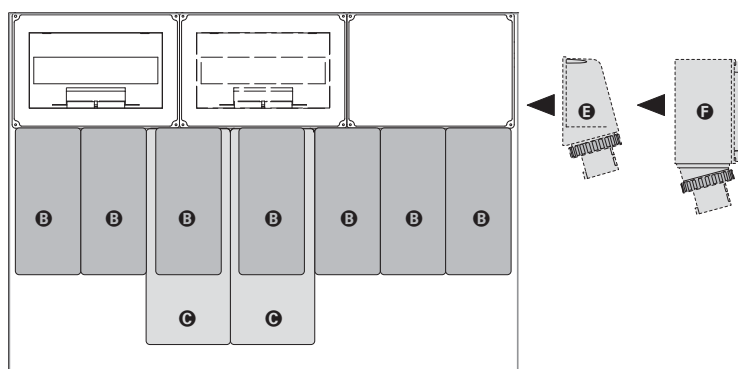
**Diagram of the SQV devices to be assembled in the empty QG V board**

- A** = SQV
- C** = TM 32A and 63A
- E** = PEW 6365 SM-S
- F** = PEW 12565 SM



**Diagram of the TM devices to be assembled in the empty QG V board**

- B** = TM 16A and 32K
- C** = TM 32A and 63A
- E** = PEW 6365 SM-S
- F** = PEW 12565 SM



1) The above diagrams are purely an example of the installation options and do not remove the need to verify the compatibility between the spaces where the protection apparatus will be situated and (12 modular units) and the installable output sockets, or the need to verify heat conditions (terminal overtemperature) for the many possible combinations, this remaining the responsibility of the board manufacturer. The versions wired by ILME and included in the present catalogue have already been verified.

2) The use of sockets that do not incorporate protection devices against overcurrents and short circuits (fuses or automatic magnetothermal switches), e.g. for SQE and TM..SP sockets, suitable devices must be installed upstream said sockets, as specified by Standard EN 60439-4.



QC  
accessories for  
boards construction  
site

drawing	ILME part No.	description	packaging
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accessories for construction site boards

NEW



**support frames**

<b>QCP TS</b>	for boards L66, composed of: 2 side supports and 4 horizontal bars in tubular metal, stainless steel screws for assembly	1
<b>QC TS</b>	for boards L96, composed of: 2 side supports and 4 horizontal bars in tubular metal, stainless steel screws for assembly	1

NEW



**wall plug**

<b>PEW 6365 SM-S</b>	63A - 400V - 3P + N + ⊕ - 6h	1
<b>PEW 12565 SM</b>	125A - 400V - 3P + N + ⊕ - 6h	1

NEW



**loose protective cap**

<b>PEW 63 CS</b>	loose protective cap for the 63A plug	1
<b>PEW 125 CS</b>	loose protective cap for the 125A plug	1

NEW



**compartment covers**

<b>QC 2920 R</b>	cover for modular compartment (12 units)	1
<b>QC 2920 P</b>	cover for branching compartment	1

NEW



**emergency push-button**

<b>QC PE</b>	1 NC-660V, preset to be fixed on QP and QG boards	1
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BE 1675	67	FC 1414 GB5	60	FM 88 CV	45
BE 1693	67	FC 1414 PF	61	FM 88 RC	45
BE 1694	67	FC 1453 TB	59	FM 88 RO	45
BE 1695	67	FC 2214 DB5	61	FM 88 RBT	45
BE 3243	67	FC 2214 GB5	60	FM 910 CV	45
BE 3244	67	FC 2241 DT	59	FM 910 CVF	45
BE 3245	67	FC 2514 DB5	61	FM 910 CVU	45
BE 3263	67	FC 2514 GB5	60	FM 910 RAV	45
BE 3264	67	FC 2525 BM	63	FM 910 RBT	45
BE 3265	67	FC 2525 CR	65	FM 910 RC	45
BE 3274	67	FC 2525 MU	63	FM 910 RI	45
BE 3275	67	FC 2525 MS	65	FM 923 CV	46
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BK 3244	68	FC 2542 QV	62	KI 1664 IB5	56
BK 3245	68	FC 2542 QVT	62	KI 1664 RI5	55
BK 3263	68	FC 2542 RA	62	KI 1665 IB5	56
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BK 3274	68	FC 2814 DB5	61	KI 1674 RI5	55
BK 3275	68	FC 2814 GB5	60	KI 1675 IB5	56
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