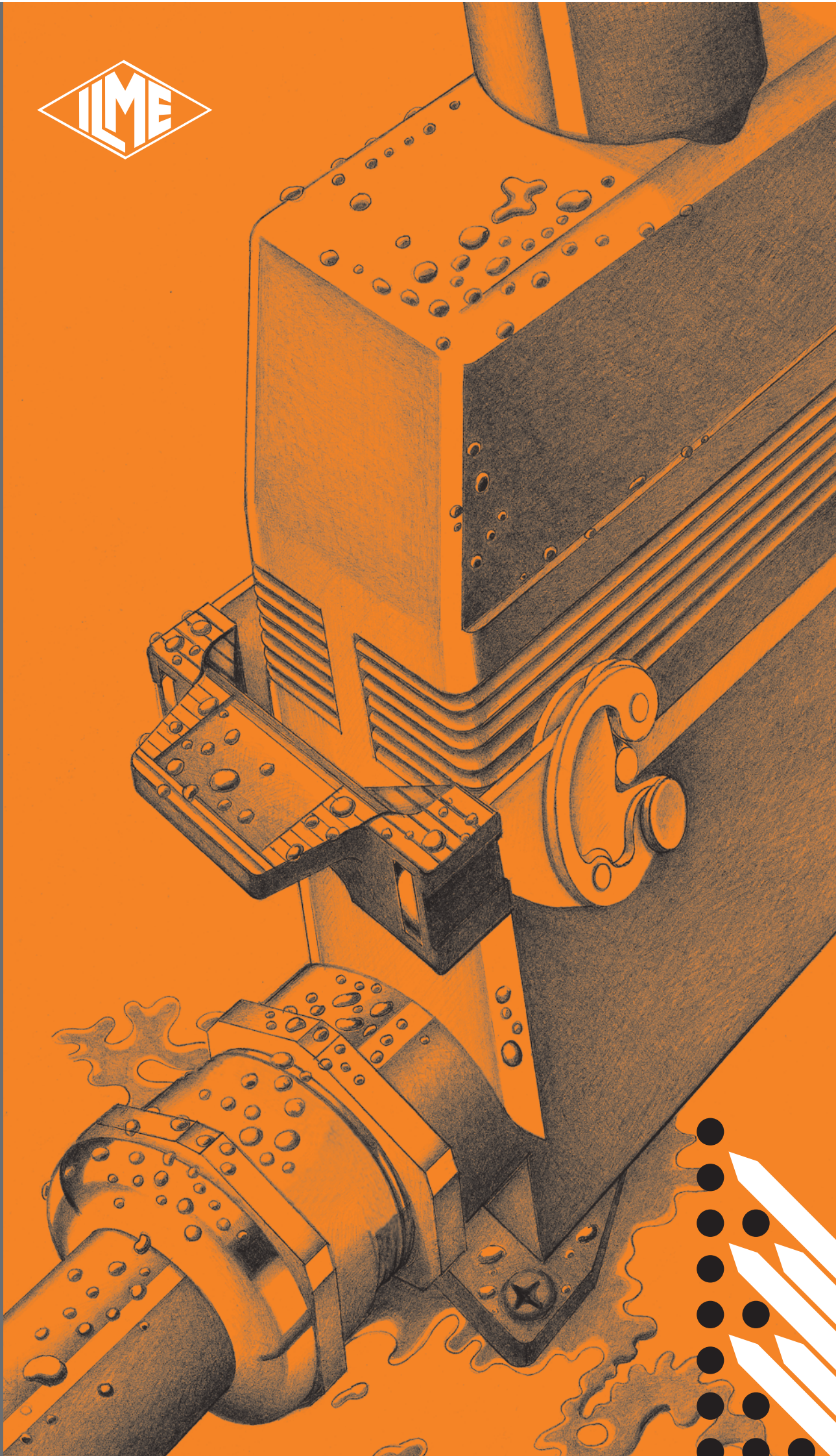


# Multipole connectors enclosures for aggressive environments



**CLASS enclosures have been revamped with the introduction of the new Heavy Duty versions** for aggressive environments with a black RAL 9005 finish.

The Heavy Duty series is specifically **designed for industrial applications where particularly aggressive external agents** are present (for example salty environments, etc.).

The series is available in 10 different sized enclosure ranges.  
Housings are available in bulkhead or surface mounting. Hoods are available with side or top entry.

The new series, **easily identified because of its black finish**, offers the following features:

- Innovative **chromium-plating treatment applied to the die-cast elements** (pursuant to RoHS) that has **improved resistance by 50% during salt spray tests** (carried out in accordance with UNI EN ISO 9227 standards) as compared to the previous versions with green finish
- **Stoved paint finish with epoxy powder (which provides a greater resistance** to chemical agents as compared to epoxypolyester)

Other manufacturing characteristics include:

1) CKA..W and MKA..W series

- Suited to house 21.21 connectors
- Gaskets in fluoroelastomer
- Monobloc locking device in stainless steel

2) CH..W, CA..W and MH..W, MA..W series

- Suited to house 44.27, 57.27, 77.27, 104.27, 77.62, 104.62, 66.40 connectors
- Gaskets in fluoroelastomer
- Applied pegs in stainless steel
- CLASS levers (lever body, springs and pins in stainless steel; small handle in thermoplastic material reinforced with glass fibres)
- Application of supplementary insulation inside the enclosures

3) CZ..W and MZ..W series

- Suited to house 49.16, 66.16 connectors
- Locking device with stainless steel levers, springs and pins
- Applied pegs in stainless steel
- Application of supplementary insulation inside the enclosures

All enclosures are UL/CSA certified for US and Canada for protection classes **UL Type 4 (= NEMA 4), UL Type 4X (=NEMA 4X) and UL Type 12 (=NEMA 12)**, in accordance with US standard ANSI/UL 50.

If used with complete connectors and appropriate entry termination, these housings can also provide an **IP44 and IP66 protection** in accordance with standard EN 60529 **and an IP69K protection** in accordance with DIN 40050-9 (water jet applied at a temperature of 80 °C (±5 °C) and a pressure of 80 bar + 100 bar for 30s, at an inclination of 0°, 30°, 60° and 90° as compared to the plane).

**Operating ambient temperature limits range from -40 °C to +125 °C.**

The housings **can be used with the following types of inserts**; crimped, screw, spring and the innovative Squich connection.

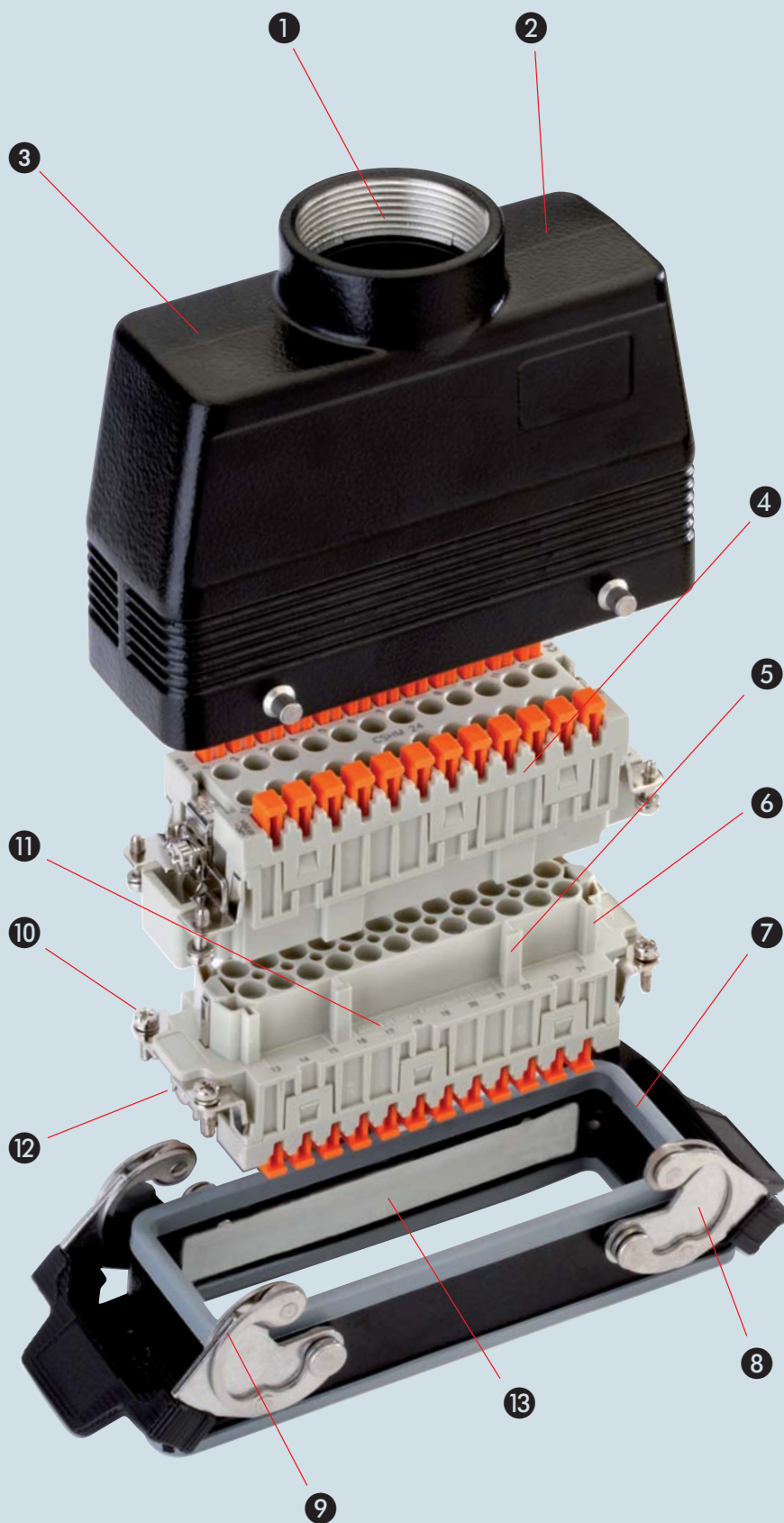
All housings are without internal groove and **can therefore also be used for CME series connectors** with a rated voltage of 830V thanks to the additional internal insulating strips.

The new series is part of the traditional CLASS series range **and integrates the existing models that include standard solutions (with grey finish), models for maximum temperatures of 180 °C (with red finish), with IP68 protection class, in insulated thermoplastic material (T-Type) and with vertical closing levers (V-Type).**

The new housings for aggressive environments with RAL 9005 black finish replace the previous and equivalent versions with green finish.







- 1** Threaded cable passing hole in various Pg diameters (types with pre-code beginning with "C") or metric pitch (types with pre-code beginning with "M") in accordance with EN 60423, for cable entry devices in accordance with EN 50262 (NPT threading on request), may be located vertically, horizontally or frontally.
- 2** Heavy-duty enclosures in die-cast aluminium alloy with applied pegs in stainless steel.  
Wall mounting or bulkhead housings, and hoods are available.
- 3** Metallic enclosures with a coated finish of epoxy powder with high resistance to mechanical stress and external agents. Innovative chromium-plating treatment applied to the die-cast elements (pursuant to RoHS) that has improved resistance by 50% during salt spray tests (carried out in accordance with UNI EN ISO 9227 standards) as compared to the previous versions with green finish
- 4** Inserts in self-extinguishing thermoplastic material reinforced with glass fibre, UL approved, with working temperature ranging from -40 °C to +125 °C.
- 5** Polarized inserts with asymmetric guide rails for preventing incorrect coupling. The inserts have a mechanical life of 500 coupling cycles or above.
- 6** Inserts manufactured in conformity with the EN 61984 European standard (DIN VDE 0627) certified and identified with the UL, CSA, CCC, GL, GOST mark.
- 7** Gaskets in fluoroelastomer, oil-resistant and fuel-resistant.
- 8** Stainless steel closure levers guarantee perfect closure and sealing.
- 9** Locking device available in two versions: simple (with one lever) or double (with two levers).
- 10** Insert captive screws with anti-loosening flexible washer.
- 11** Position of contacts identified with numbers or codes on both sides of each insert and laser printed or moulded.
- 12** Earth terminal protection with wide contact surface.
- 13** Application of supplementary insulation inside the enclosures.



inserts:		page
CK	3 poles + ⊕	36 *
CK	4 poles + ⊕	36 *
CKS	3 poles + ⊕	37 *
CKS	4 poles + ⊕	37 *
CD	8 poles	40 *
CQ	5 poles + ⊕	63 *
CQ	12 poles + ⊕	62 *

overall dimensions:  
21 x 21 mm

\* refer to catalogue page CN.07

**bulkhead housings  
straight and angled**

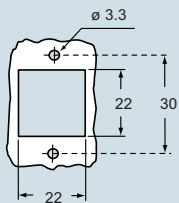


**hoods**



description	part No. (entry - Pg 11)	part No. (entry - M 20)	part No. (entry - Pg 11)	part No. (entry - M 20)
with stainless steel lever <sup>1)</sup>	<b>CKAXW 03 I</b>			
without cable gland outlet, stainless steel lever <sup>1)</sup>	<b>CKAXW 03 IA</b>			
with threaded entry, stainless steel lever <sup>1)</sup>	<b>CKAXW 03 IAP</b>	<b>MKAXW IAP20</b>		
with threaded entry, stainless steel lever <sup>1)</sup> , bottom closed	<b>CKAXW 03 AP</b>	<b>MKAXW AP20</b>		
with pegs, top entry <sup>1)</sup>			<b>CKAW 03 V</b>	<b>MKAW V20</b>
with pegs, side entry <sup>1)</sup>			<b>CKAW 03 VA</b>	<b>MKAW VA20</b>
with stainless steel lever, top entry <sup>1)</sup>			<b>CKAXW 03 VG</b>	<b>MKAXW VG20</b>
seal and screw kit for IP66/IP67 <sup>2)</sup> for CK, CQ 05, CKS inserts	<b>CKR 65</b>		<b>CKR 65</b>	
seal and screw kit for IP66/IP67 <sup>2)</sup> for CD 08 inserts	<b>CKR 65 D</b>		<b>CKR 65 D</b>	

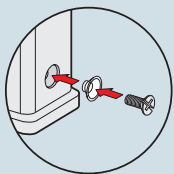
panel cut-out for enclosures, in mm



- enclosures with IP44 degree of protection.
- to achieve the IP66/IP67 protection rating, a kit is available which includes a seal to be fitted under the insert fastening screw supplied with the kit (see example illustrated), instead of the screw with spring washer supplied with the insert

**Note:**

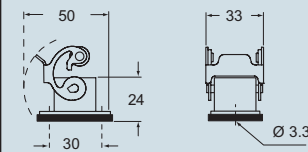
The CQ 12 inserts are already fitted with seal and screw, allowing IP66/IP67 protection rating to be achieved.



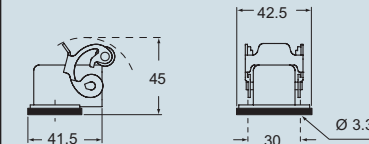
**CRUS**® Type 12  
Type 4/4X only  
with CKR 65 (D)

dimensions in mm

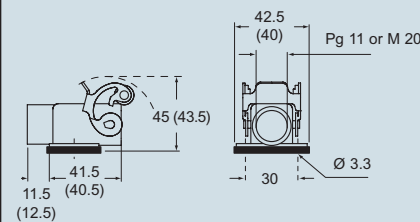
**CKAXW I**



**CKAXW IA**

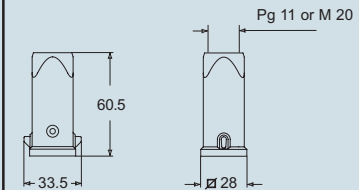


**CKAXW IAP (CKAXW AP) and  
MKAXW IAP (MKAXW AP)**

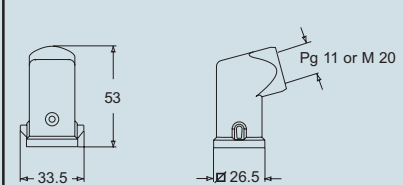


dimensions in mm

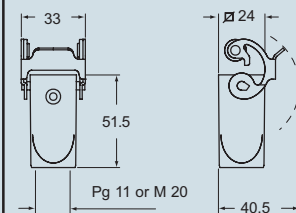
**CKAW V and MKAW V**



**CKAW VA and MKAW VA**



**CKAXW VG and MKAXW VG**



dimensions shown are not binding  
and may be changed without notice



inserts:		page
<b>CD</b> .....	15 poles + ⊕	41 *
<b>CDA</b> .....	10 poles + ⊕	66 *
<b>CDC</b> .....	10 poles + ⊕	67 *
<b>MIXO</b> .....	1 module	137-151 *

insert centre distance:  
**49 x 16 mm**

Covers L and LG versions are not suitable to be used with code pins. If this application is required please contact ILME SpA.

\* refer to catalogue page CN.07

### housings and cover

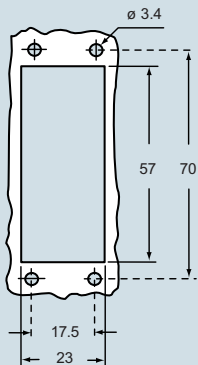


### hoods and cover



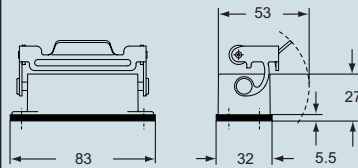
description	part No.		entry		part No.		entry	
			Pg	M			Pg	M
bulkhead housing, with lever	<b>CZIW 15 L</b>	---	---	---	---	---	---	---
surface housing, with lever	<b>CZPW 15 L2</b>	16 x 2	<b>MZPW 15 L225</b>	25 x 2	---	---	---	---
cover with pegs (for enclosures with lever)	<b>CZCW 15 L</b>	---	---	---	---	---	---	---
with pegs, side entry	---	---	---	---	<b>CZOW 15 L</b>	16	<b>MZOW 15 L20</b>	20
with pegs, side entry	---	---	---	---	<b>CZAOW 15 L21</b>	21	<b>MZOW 15 L25</b>	25
with pegs, side entry, high construction	---	---	---	---	<b>CZVW 15 L</b>	13.5	<b>MZAOW 15 L25</b>	25
with pegs, top entry	---	---	---	---	<b>CZAVW 15 L21</b>	21	<b>MZVW 15 L20</b>	20
with pegs, top entry, high construction	---	---	---	---	---	---	<b>MZAVW 15 L25</b>	25
cover with lever (for enclosures with pegs)	---	---	---	---	<b>CZCW 15 LG</b>	---	---	---

panel cut-out for bulkhead mounting housings in mm

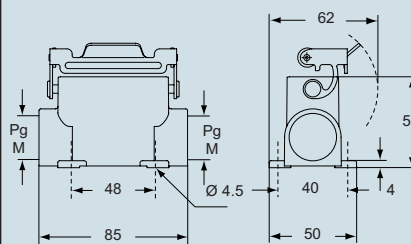


dimensions in mm

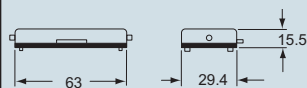
#### CZIW L



#### CZPW L e MZPW L

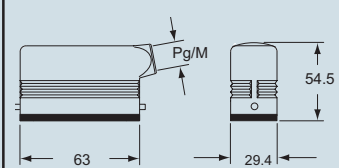


#### CZCW L

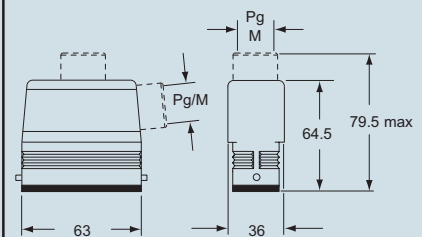


dimensions in mm

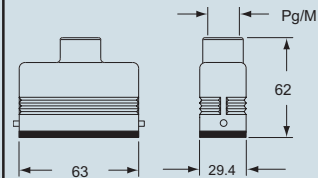
#### CZOW L and MZOW L



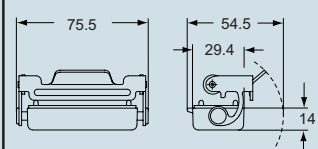
#### CZAOW L - MZAOW L and CZAVW L - MZAVW L



#### CZVW L and MZVW L



#### CZCW LG



Enclosures with IP66 degree of protection (according to EN 60529) and IP69K (according to DIN 40050-9). In general, the covers guarantee an IP65 (according to EN 60529) degree of protection.

**ILME**® Type  
**4/4X/12**

dimensions shown are not binding  
and may be changed without notice



inserts:		page
<b>CD</b> .....	25 poles + ⊕	42 *
<b>CDD</b> .....	38 poles + ⊕	54 *
<b>CDA</b> .....	16 poles + ⊕	68 *
<b>CDC</b> .....	16 poles + ⊕	69 *

insert centre distance:  
**66 x 16 mm**

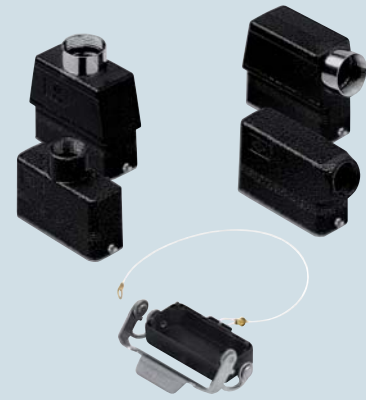
Covers L and LG versions are not suitable to be used with code pins. If this application is required please contact ILME SpA.

\* refer to catalogue page CN.07

### housings and cover

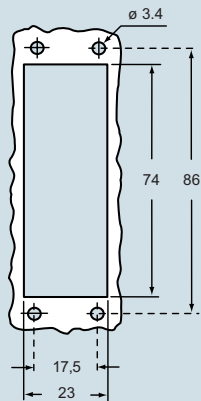


### hoods and cover



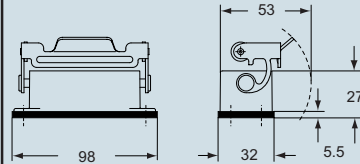
description	part No.		part No.		part No.		part No.	
	entry Pg	entry M	entry Pg	entry M	entry Pg	entry M	entry Pg	entry M
bulkhead housing, with lever surface housing, with lever, high construction			<b>CZIW 25 L</b>	---	<b>MZAPW 25L225</b>	25 x 2		
cover with pegs (for enclosures with lever)			<b>CZCW 25 L</b>					
with pegs, side entry					<b>CZOW 25 L</b>	16	<b>MZOW 25 L20</b>	20
with pegs, side entry					<b>CZAOW 25 L21</b>	21	<b>MZAOW 25 L25</b>	25
with pegs, side entry, high construction					<b>CZVW 25 L</b>	16	<b>MZVW 25 L20 *</b>	20
with pegs, top entry					<b>CZAVW 25 L21</b>	21	<b>MZAVW 25 L25</b>	25
with pegs, top entry, high construction								
cover with lever (for enclosures with pegs)					<b>CZCW 25 LG</b>			

panel cut-out for bulkhead mounting housings in mm

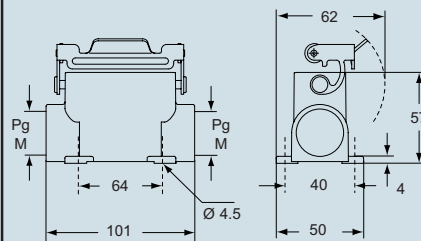


dimensions in mm

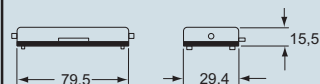
#### CZIW L



#### CZAPW L and MZAPW L

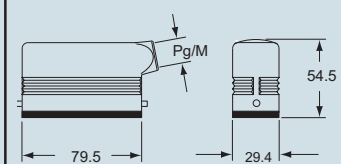


#### CZCW L

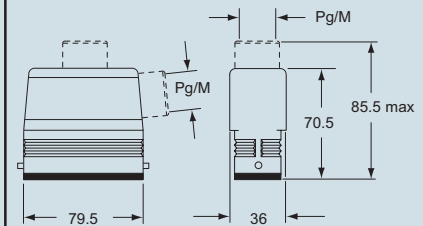


dimensions in mm

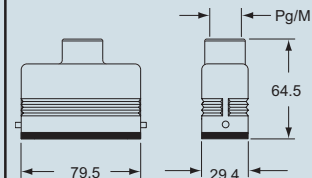
#### CZOW L and MZOW L



#### CZAOW L - MZAOW L and CZAVW L - MZAVW L

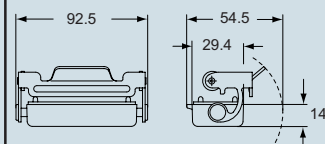


#### CZVW L and MZVW L



\* to be used only with cable gland (to be ordered separately).

#### CZCW LG



Enclosures with IP66 degree of protection (according to EN 60529) and IP69K (according to DIN 40050-9). In general, the covers guarantee an IP65 (according to EN 60529) degree of protection.

**CALUS**® Type 4/4X/12

dimensions shown are not binding and may be changed without notice



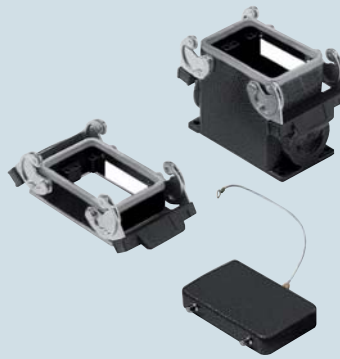
inserts:		page
<b>CD</b> .....	50 poles + ⊕	44 *
<b>CDD</b> .....	76 poles + ⊕	57 *
<b>CDA</b> .....	32 poles + ⊕	70 *
<b>CDC</b> .....	32 poles + ⊕	71 *

insert centre distance:  
**2 x (66 x 16) mm**

Covers CHCW 50 and CHCW 50 G versions are not suitable to be used with code pins. If this application is required please contact ILME SpA.

\* refer to catalogue page CN.07

housings and cover

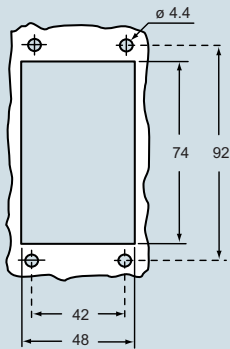


hoods and cover



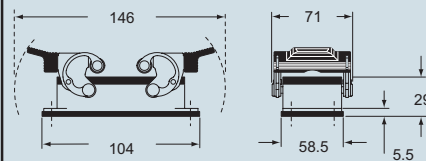
description	part No.	entry Pg	part No.	entry M	part No.	entry Pg	part No.	entry M
bulkhead housing, with levers	<b>CHIW 50</b>	--						
surface housing, with levers	<b>CHPW 50.21</b>	21	<b>MHPW 50.32</b>	32				
surface housing, with levers	<b>CHPW 50.229</b>	29 x 2	<b>MHPW 50.250</b>	50 x 2				
cover with 4 pegs (for housings with 2 levers)	<b>CHCW 50</b>							
with pegs, side entry					<b>CHOW 50</b>	21	<b>MHOW 50.25</b>	25
with pegs, side entry					<b>CAOW 50.29</b>	29	<b>MHOW 50.32</b>	32
with pegs, side entry, high construction					<b>CAVW 50.29</b>	29	<b>MAOW 50.32</b>	32
with pegs, top entry, high construction							<b>MAVW 50.32</b>	32
cover with 2 levers (for hoods with 4 pegs)					<b>CHCW 50 G</b>			

panel cut-out for bulkhead mounting housings in mm

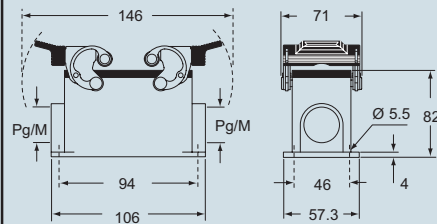


dimensions in mm

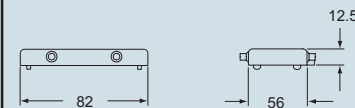
**CHIW**



**CHPW and MHPW**

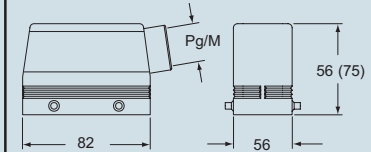


**CHCW**

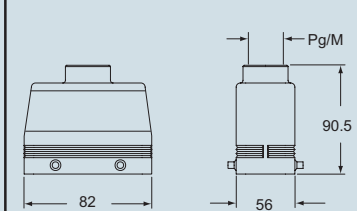


dimensions in mm

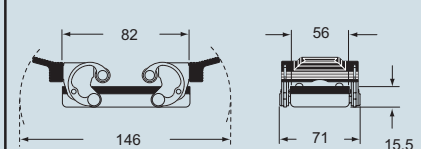
**CHOW (CAOW) and MHOW (MAOW)**



**CAVW and MAVW**



**CHCW G**



Enclosures with IP66 degree of protection (according to EN 60529) and IP69K (according to DIN 40050-9). In general, the covers guarantee an IP65 (according to EN 60529) degree of protection.

**CALUS**® Type 4/4X/12

dimensions shown are not binding and may be changed without notice



inserts:		page
<b>CDD</b> .....	24 poles + ⊕	53 *
<b>CQE</b> .....	10 poles + ⊕	74 *
<b>CCE</b> .....	6 poles + ⊕	86 *
<b>CNE, CSE</b> .....	6 poles + ⊕	87 *
<b>CSS</b> .....	6 poles + ⊕	98 *
<b>CTE, CTSE *)</b> (16A) ..	6 poles + ⊕	106 *
<b>MIXO</b> .....	2 modules	137-151 *
<b>CSH</b> .....	6 poles + ⊕	5 **

\*) only for enclosure CHIW 06 L

insert centre distance:  
44 x 27 mm

\* refer to catalogue page CN.07  
\*\* refer to catalogue page CSH

housings and cover

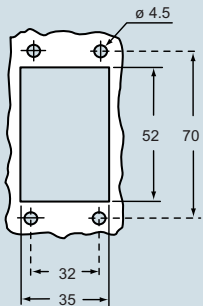


hoods and cover



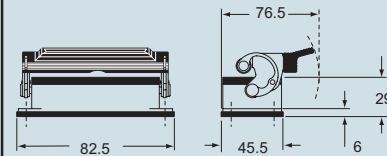
description	part No.		part No.		part No.		part No.	
	entry Pg	entry M	entry Pg	entry M	entry Pg	entry M	entry Pg	entry M
bulkhead housing with lever	---	---	---	---	---	---	---	---
surface housing with lever, high construction	21	32	---	---	---	---	---	---
cover with pegs (for enclosures with lever)	---	---	---	---	---	---	---	---
with pegs, side entry, high construction	---	---	---	---	21	32	---	---
with pegs, top entry, high construction	---	---	---	---	21	32	---	---
cover with lever (for enclosures with pegs)	---	---	---	---	---	---	---	---
with lever and gasket, top entry, high construction	---	---	---	---	21	32	---	---

panel cut-out for bulkhead mounting housings in mm

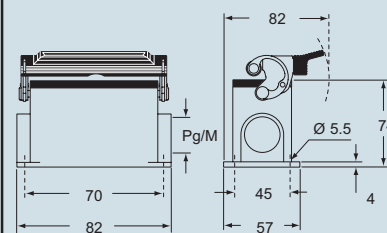


dimensions in mm

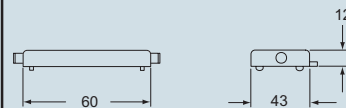
CHIW L



CAPW L and MAPW L



CHCW L



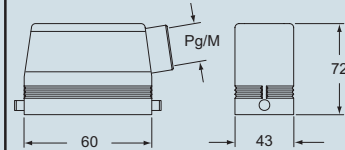
Enclosures with IP66 degree of protection (according to EN 60529) and IP69K (according to DIN 40050-9). In general, the covers guarantee an IP65 (according to EN 60529) degree of protection.

**CRUS**® Type 4/4X/12

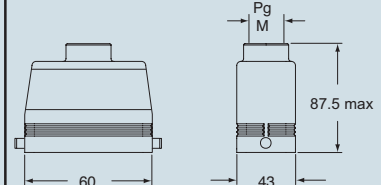
dimensions shown are not binding and may be changed without notice

dimensions in mm

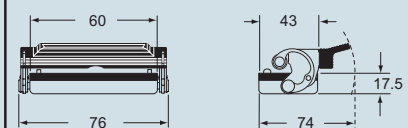
CAOW L and MAOW L



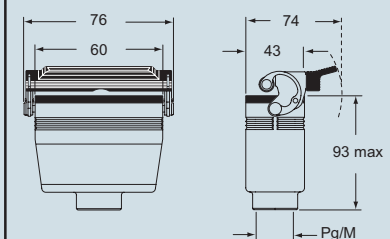
CAVW L and MAVW L



CHCW LG



CAVW LG and MAVW LG







inserts:		page
<b>CDD</b> .....	42 poles + ⊕	55 *
<b>CQE</b> .....	18 poles + ⊕	75 *
<b>CCE</b> .....	10 poles + ⊕	88 *
<b>CNE, CSE</b> .....	10 poles + ⊕	89 *
<b>CSS</b> .....	10 poles + ⊕	100 *
<b>CTE, CTSE *)</b> (16A)	10 poles + ⊕	107 *
<b>CMSE</b> .....	3+2 (aux) poles + ⊕	114 *
<b>CMCE</b> .....	3+2 (aux) poles + ⊕	114 *
<b>CME</b> .....	3+2 (aux) poles + ⊕	115 *
<b>CX</b> .....	8/24 poles + ⊕	129 *
<b>MIXO</b> .....	3 modules	137-151 *
<b>CSH</b> .....	10 poles + ⊕	6 **

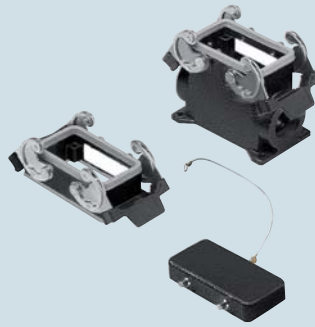
\*) only for enclosure CHIW 10

insert centre distance: 57 x 27 mm

\* refer to catalogue page CN.07

\*\* refer to catalogue page CSH

housings and cover

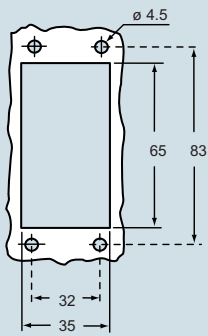


hoods and cover



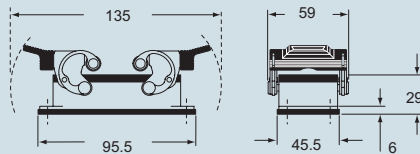
description	part No.		part No.		part No.		part No.	
	entry Pg	entry M	entry Pg	entry M	entry Pg	entry M	entry Pg	entry M
bulkhead mounting, with levers	---	---	---	---	---	---	---	---
surface mounting, with levers, high construction	<b>CHIW 10</b>	---	<b>MAPW 10.32</b>	32				
cover with 4 pegs (for enclosures with 2 levers)	<b>CHCW 10</b>							
with pegs, side entry, high construction					<b>CAOW 10.21</b>	21	<b>MAOW 10.32</b>	32
with pegs, top entry, high construction					<b>CAVW 10.21</b>	21	<b>MAVW 10.32</b>	32
cover with 2 levers (for enclosures with 4 pegs)					<b>CHCW 10 G</b>			
with levers and gasket, top entry, high construction					<b>CAVW 10 G</b>	21	<b>MAVW 10 G32</b>	32

panel cut-out for bulkhead mounting housings in mm

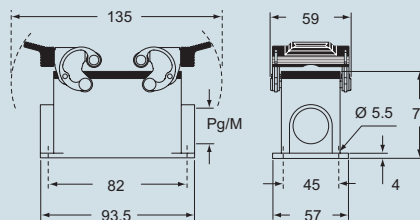


dimensions in mm

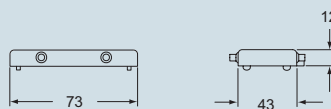
CHIW



CAPW and MAPW

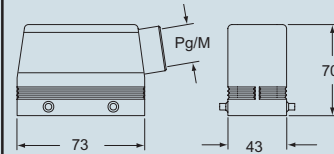


CHCW

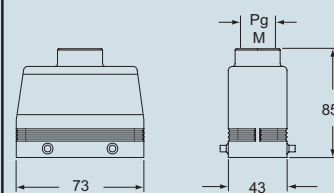


dimensions in mm

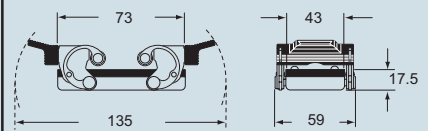
CAOW and MAOW



CAVW and MAVW

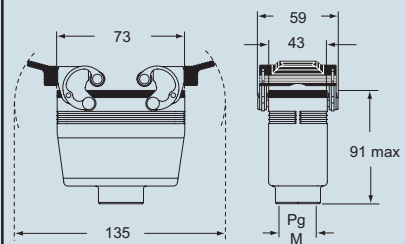


CHCW G



The covers for G versions cannot be used together with coding pins. If this application is required, please contact ILME SpA.

CAVW G and MAVW G



Enclosures with IP66 degree of protection (according to EN 60529) and IP69K (according to DIN 40050-9). In general, the covers guarantee an IP65 (according to EN 60529) degree of protection.

**CRUIS**® Type 4/4X/12

dimensions shown are not binding and may be changed without notice



inserts:	page
CD .....	40 poles + ⊕ 43 *
CT, CTS *) (10A) ....	40 poles + ⊕ 50 *
CDD .....	72 poles + ⊕ 56 *
CQE .....	32 poles + ⊕ 76 *
CCE .....	16 poles + ⊕ 90 *
CNE, CSE .....	16 poles + ⊕ 91 *
CSS .....	16 poles + ⊕ 100 *
CTE, CTSE *) (16A) 16	poles + ⊕ 108 *
CMSE, CMCE 6+2 (aux)	poles + ⊕ 116 *
CME .....	6+2 (aux) poles + ⊕ 117 *
CP .....	6 poles + ⊕ 127 *
CX .....	6/36 and 12/2 poles + ⊕ 130+131 *
CX .....	4/0 and 4/2 poles + ⊕ 132 *
MIXO .....	4 modules 137+151 *
CSH .....	16 poles + ⊕ 7 **

\*) only for enclosure CHIW 16  
 insert centre distance: 77.5 x 27 mm  
 \* refer to catalogue page CN.07  
 \*\* refer to catalogue page CSH

housings and cover

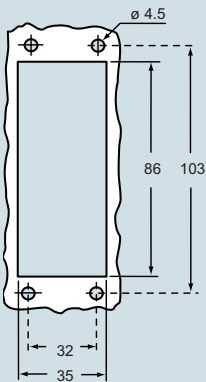


hoods and cover



description	part No.	entry Pg	part No.	entry M	part No.	entry Pg	part No.	entry M
bulkhead mounting, with levers	<b>CHIW 16</b>	---						
surface mounting, with levers, high construction	<b>CAPW 16.21</b>	21	<b>MAPW 16.32</b>	32				
cover with 4 pegs (for enclosures with 2 levers)	<b>CHCW 16</b>							
with pegs, side entry					<b>CHOW 16</b>	21	<b>MHOW 16.25</b>	25
with pegs, side entry					<b>CAOW 16.29</b>	29	<b>MHOW 16.32</b>	32
with pegs, side entry, high construction							<b>MAOW 16.32</b>	32
with pegs, side entry, high construction							<b>MAOW 16.40</b>	40
with pegs, top entry					<b>CHVW 16</b>	21	<b>MHVW 16.25</b>	25
with pegs, top entry					<b>CAVW 16.29</b>	29	<b>MHVW 16.32</b>	32
with pegs, top entry, high construction							<b>MAVW 16.32</b>	32
with pegs, top entry, high construction							<b>MAVW 16.40</b>	40
cover with 2 levers (for enclosures with 4 pegs)					<b>CHCW 16 G</b>			
with levers and gasket, top entry					<b>CAVW 16 G29</b>	29	<b>MAVW 16 G32</b>	32

panel cut-out for bulkhead mounting housings in mm

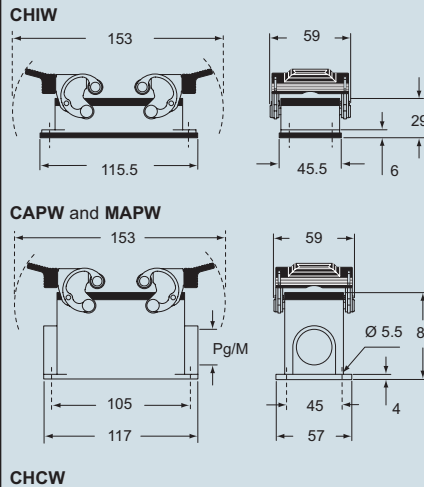


Enclosures with IP66 degree of protection (according to EN 60529) and IP69K (according to DIN 40050-9). In general, the covers guarantee an IP65 (according to EN 60529) degree of protection.

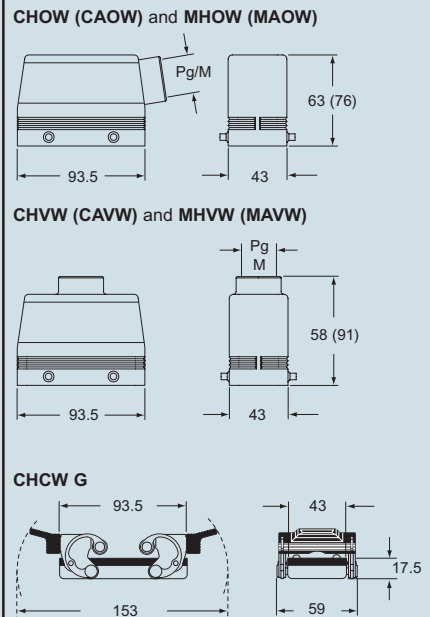
**ILME**® Type 4/4X/12

dimensions shown are not binding and may be changed without notice

dimensions in mm

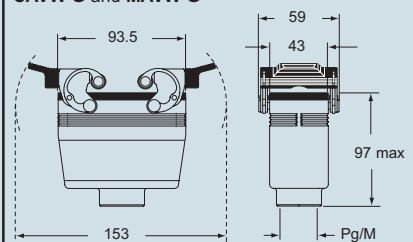


dimensions in mm



The covers for G versions cannot be used together with coding pins. If this application is required, please contact ILME SpA.

CAVW G and MAVW G

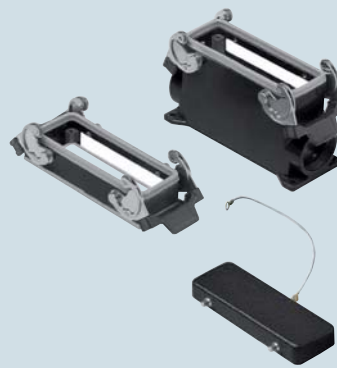




inserts:	page
CD .....	64 poles + ⊕ 45 *
CT, CTS *) (10A) .....	64 poles + ⊕ 51 *
CDD .....	108 poles + ⊕ 58 *
CQE .....	46 poles + ⊕ 77 *
CCE .....	24 poles + ⊕ 92 *
CNE, CSE .....	24 poles + ⊕ 93 *
CSS .....	24 poles + ⊕ 101 *
CTE, CTSE *) (16A) .....	24 poles + ⊕ 109 *
CMSE, CMCE 10+2 (aux) .....	poles + ⊕ 118 *
CME .....	10+2 (aux) poles + ⊕ 119 *
CME .....	16+2 (aux) poles + ⊕ 124 *
CMCE .....	16+2 (aux) poles + ⊕ 124 *
CX .....	4/8 poles + ⊕ 133 *
MIXO .....	6 modules 137-151 *
CSH .....	24 poles + ⊕ 8 **

\*) only for enclosure **CHIW 24**  
 insert centre distance: **104 x 27 mm**  
 \* refer to catalogue page **CN.07**  
 \*\* refer to catalogue page **CSH**

housings and cover



hoods and cover



description	part No.	entry Pg	part No.	entry M	part No.	entry Pg	part No.	entry M
bulkhead mounting, with levers	<b>CHIW 24</b>	---						
surface mounting, with levers, high construction	<b>CAPW 24.21</b>	21	<b>MAPW 24.32</b>	32				
cover with 4 pegs (for enclosures with 2 levers)	<b>CHCW 24</b>							
with pegs, side entry					<b>CHOW 24</b>	21	<b>MHOW 24.25</b>	25
with pegs, side entry, high construction					<b>CAOW 24.29</b>	29	<b>MHOW 24.32</b>	32
with pegs, side entry, high construction							<b>MAOW 24.32</b>	32
with pegs, top entry					<b>CHVW 24</b>	21	<b>MHVW 24.25</b>	25
with pegs, top entry, high construction					<b>CAVW 24.29</b>	29	<b>MHVW 24.32</b>	32
with pegs, top entry, high construction							<b>MAVW 24.32</b>	32
with pegs, top entry, high construction							<b>MAVW 24.40</b>	40
cover with 2 levers (for enclosures with 4 pegs)					<b>CHCW 24 G</b>			
with lever and gasket, top entry					<b>CHVW 24 G</b>	21	<b>MHVW 24 G32</b>	32

panel cut-out for bulkhead mounting housings in mm

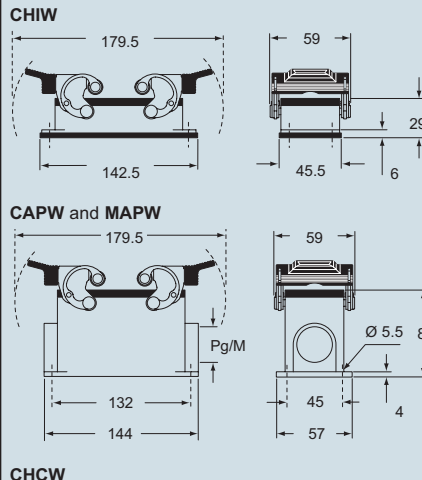


Enclosures with IP66 degree of protection (according to EN 60529) and IP69K (according to DIN 40050-9). In general, the covers guarantee an IP65 (according to EN 60529) degree of protection.

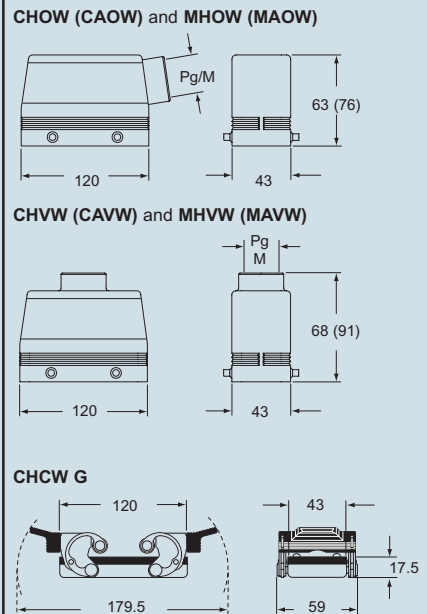
**CALUS**® Type 4/4X/12

dimensions shown are not binding and may be changed without notice

dimensions in mm



dimensions in mm



The covers for G versions cannot be used together with coding pins. If this application is required, please contact ILME SpA.

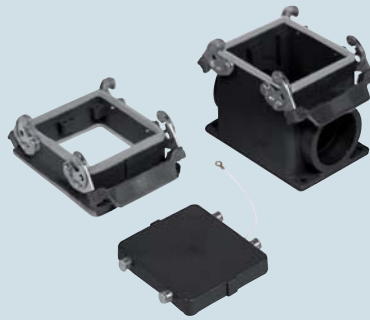


inserts:		page
CD .....	80 poles + ⊕	46 *
CDD .....	144 poles + ⊕	59 *
CQE .....	64 poles + ⊕	78 *
CCE .....	32 poles + ⊕	94 *
CNE, CSE.....	32 poles + ⊕	95 *
CSS .....	32 poles + ⊕	102 *
CMSE .....	12 + 4 (aux) poles + ⊕	120 *
CMCE .....	12 + 4 (aux) poles + ⊕	120 *
CME .....	12 + 4 (aux) poles + ⊕	121 *
CP .....	12 poles + ⊕	128 *
MIXO .....	4 + 4 modules	137-151 *
CSH .....	32 poles + ⊕	9 **

insert centre distance:  
**2 x (77.5 x 27) mm**

\* refer to catalogue page CN.07  
 \*\* refer to catalogue page CSH

### housings and cover

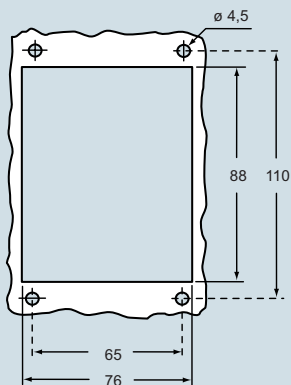


### hoods and cover

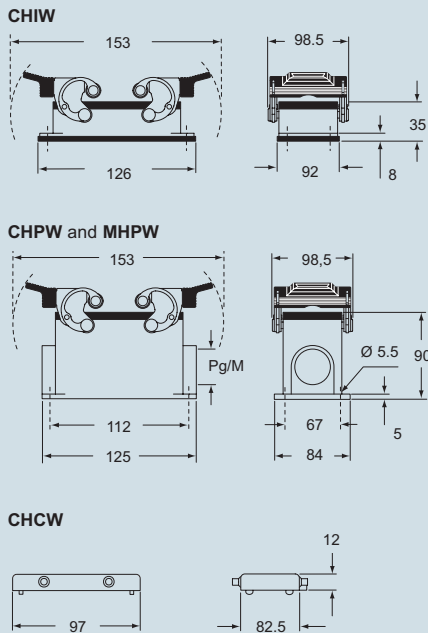


description	part No.		part No.		part No.		part No.	
	entry Pg	entry M	entry Pg	entry M	entry Pg	entry M	entry Pg	entry M
bulkhead mounting, with levers	---	---	---	---	---	---	---	---
surface mounting, with levers	36	50	---	---	---	---	---	---
cover with 4 pegs (for enclosures with 2 levers)	---	---	---	---	---	---	---	---
with pegs, side entry	---	---	---	---	36	40	---	---
with pegs, top entry	---	---	---	---	36	40	---	---
cover with 2 levers (for enclosures with 4 pegs)	---	---	---	---	---	---	---	---
with levers and gasket, top entry	---	---	---	---	36	40	---	---

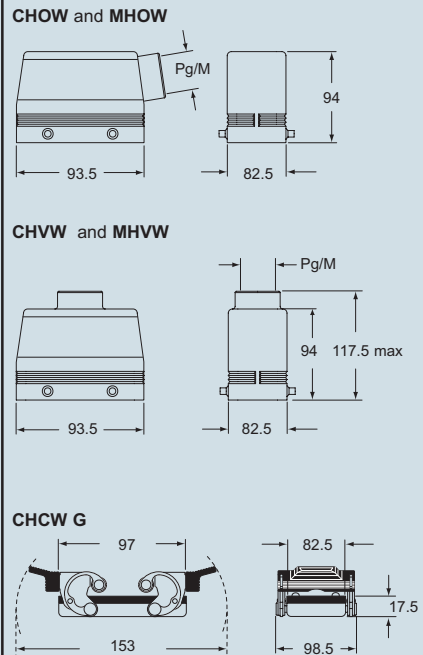
### panel cut-out for bulkhead mounting housings in mm



### dimensions in mm



### dimensions in mm

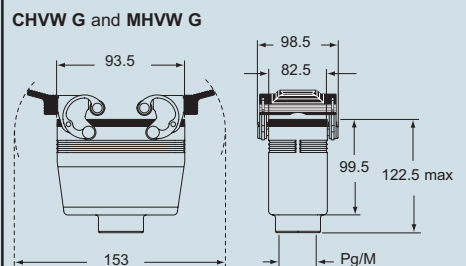


Enclosures with IP66 degree of protection (according to EN 60529) and IP69K (according to DIN 40050-9). In general, the covers guarantee an IP65 (according to EN 60529) degree of protection.

**CALUS**® Type 4/4X/12

dimensions shown are not binding and may be changed without notice

The covers for G versions cannot be used together with coding pins. If this application is required, please contact ILME SpA.







inserts:		page
<b>CD</b> .....	128 poles + ⊕	47 *
<b>CDD</b> .....	216 poles + ⊕	60 *
<b>CQE</b> .....	92 poles + ⊕	79 *
<b>CCE</b> .....	48 poles + ⊕	96 *
<b>CNE, CSE</b> .....	48 poles + ⊕	97 *
<b>CSS</b> .....	48 poles + ⊕	103 *
<b>CMSE</b> .....	20 + 4 (aux) poles + ⊕	122 *
<b>CMCE</b> .....	20 + 4 (aux) poles + ⊕	122 *
<b>CME</b> .....	20 + 4 (aux) poles + ⊕	123 *
<b>CME</b> .....	32 + 4 (aux) poles + ⊕	125 *
<b>CMCE</b> .....	32 + 4 (aux) poles + ⊕	125 *
<b>MIXO</b> .....	6 + 6 modules	137-151 *
<b>CSH</b> .....	48 poles + ⊕	10 **

insert centre distance:  
2 x (104 x 27) mm

\* refer to catalogue page CN.07  
\*\* refer to catalogue page CSH

housings

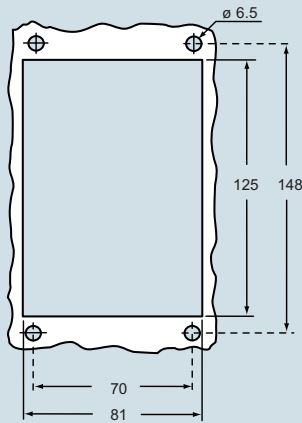


hoods



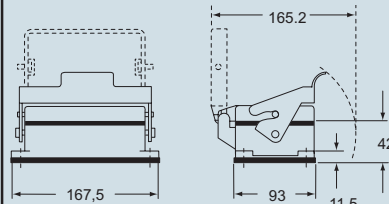
description	part No.		part No.		part No.		part No.	
	entry Pg	entry M	entry Pg	entry M	entry Pg	entry M	entry Pg	entry M
bulkhead mounting housings, with lever and cover	<b>CHIW 48 LS</b>	---						
surface mounting housings, with lever and cover	<b>CHPW 48 LS</b>	36 x 1/2	<b>MHPW 48 LS40</b>	40 x 1/2				
with pegs, side entry					<b>CHOW 48 L</b>	36	<b>MHOW 48 L40</b>	40
with pegs, top entry					<b>CHVW 48 L</b>	36	<b>MHVW 48 L40</b>	40

panel cut-out for bulkhead mounting housings in mm

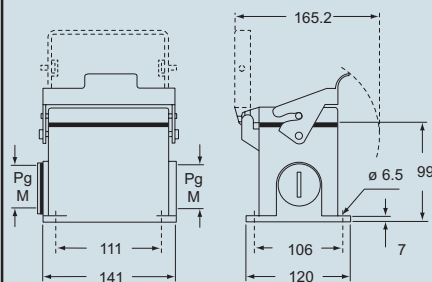


dimensions in mm

**CHIW LS**

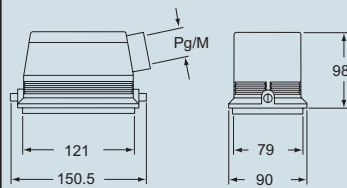


**CHPW LS and MHPW LS**

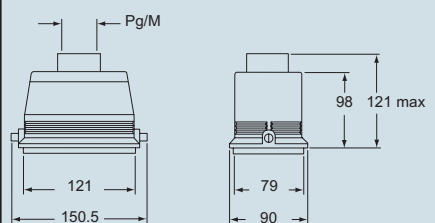


dimensions in mm

**CHOW L and MHOW L**



**CHVW L and MHVW L**



Enclosures with IP66 degree of protection (according to EN 60529) and IP69K (according to DIN 40050-9). In general, the covers guarantee an IP65 (according to EN 60529) degree of protection.



dimensions shown are not binding and may be changed without notice

## IMPORTANT NOTES

The products in this catalogue cannot guarantee the best functionality on installation, as this depends mainly on their correct "putting into service" which must be performed in compliance with the applicable system safety standards and according to the "rule of the art".

The products shown in this catalogue are deemed to form connections mainly for electrical circuits, therefore they have to be assembled according to the user's best choice for the different applications.

For such choices, as well as for uses of single components and/or for uses with purposes other than those herein declared, I.L.M.E. SpA refuses any liability for the application results and/or for product incorrect use and/or unsuccessful performances.

The connectors must not be connected or disconnected when live or under load.

After wiring the inserts we recommend to verify the protective earth terminals continuity.

The connector inserts operation is guaranteed only if mounted by four screws on a rigid plane (provided by hoods/housings).

I.L.M.E. SpA is not responsible for any different application.

The installer must verify and ensure the correct coupling and operation of the protective earth connection.

For all inserts with screw-type terminals it is important that the correct torque is applied to the screws in order to prevent damage to the conductor, the screw or the terminal.

Crimping tools and contacts should be supplied by the same manufacturer.

The termination of spring-clamp connector inserts is guaranteed only when the specified screwdriver is correctly used for actuating the spring (see indication in the specific catalogue and, where applied, on the insert) and the operating principles are followed.

To prevent incorrect coupling please respect the polarity drawing (contacts side view) when two similar inserts are mounted in double-sized hood or housing. To avoid coupling mismatch we recommend the use of coding pins when two or more similar connectors are mounted close together.

The complete connectors (enclosures and inserts) guarantee the IP degree of protection when coupled and locked with their closing levers. In order to ensure the same degree of protection provided by the connector housings, the cable glands or other accessories used to close cable outlets must also have at least an equivalent IP degree of protection.

In order to prevent stress on the contacts, the connectors must be coupled and uncoupled in the axial direction with respect to the contacts, without bending and pulling the attached conductor bundles or cables.

ILME connectors, inserts and enclosures are generally compatible with similar/equivalent products from other manufacturers, according to the last samples we tested.

The full interchangeability cannot be granted by ILME as we cannot be considered responsible for technical changes made by other manufacturers.

In particular, ILME cannot guarantee the full performances of our IP68 enclosures (Series CG) if coupled with other manufacturers' products.

I.L.M.E. SpA takes no responsibility in verifying whether the components herein contained comply with the specific regulations of fields of application.