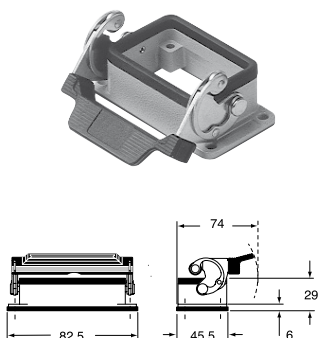
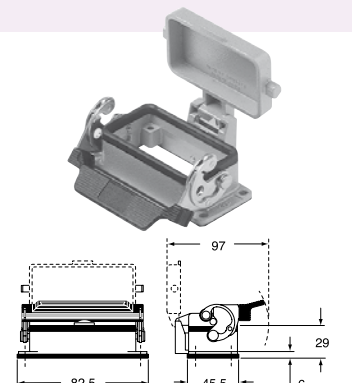
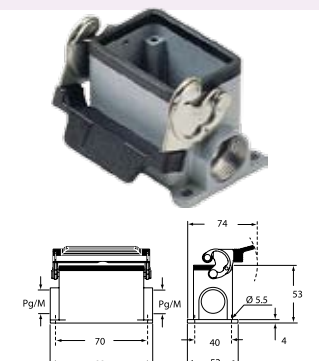
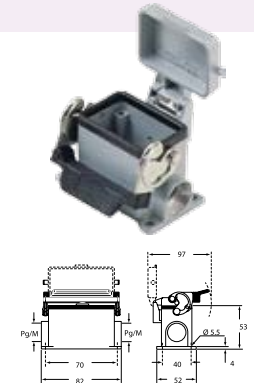
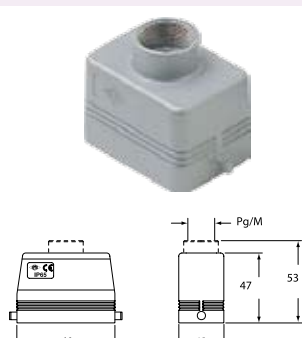
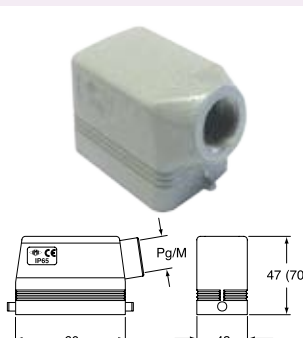
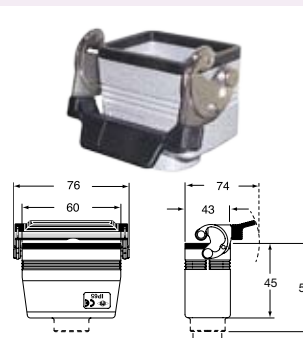
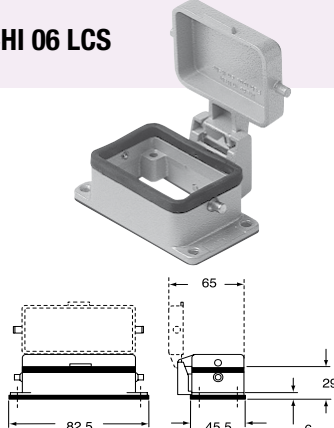
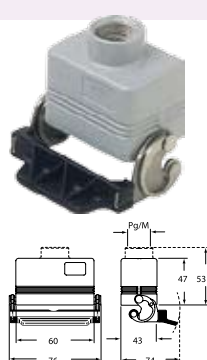
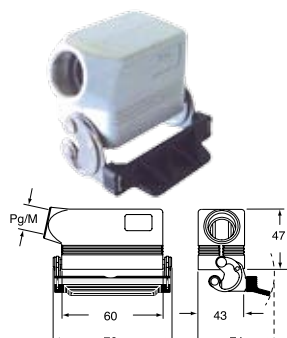
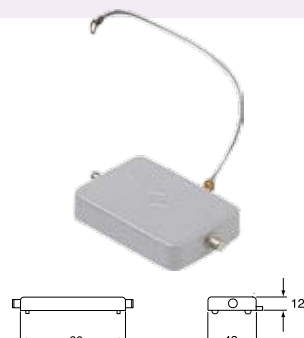
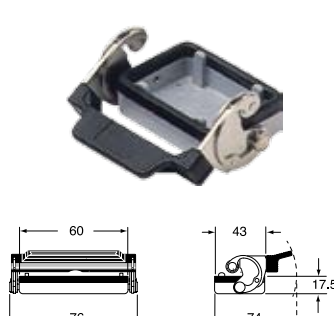
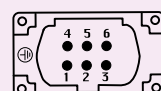
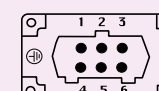
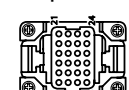
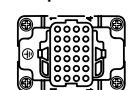
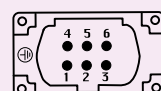
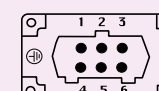
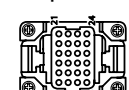
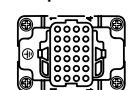
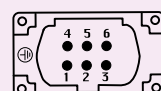
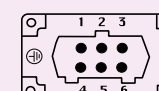
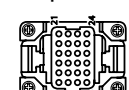
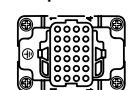


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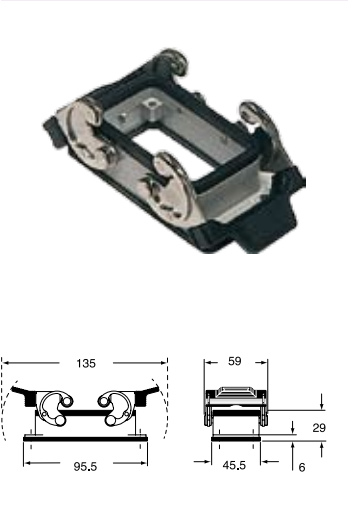
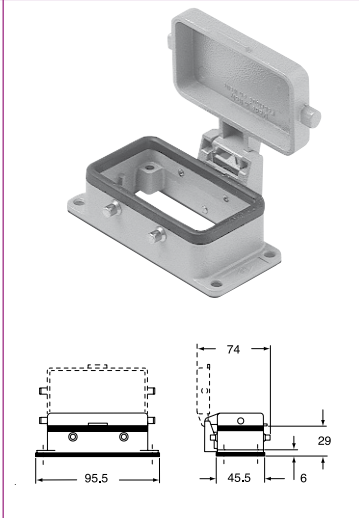
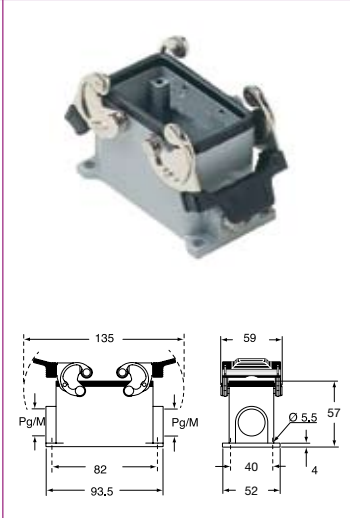
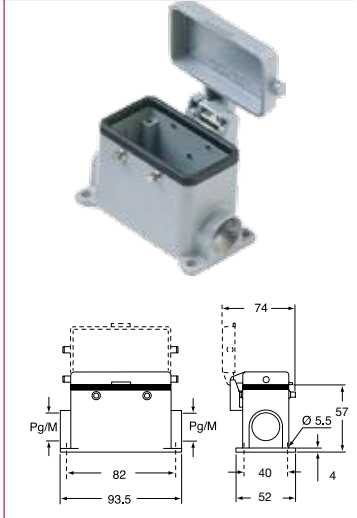
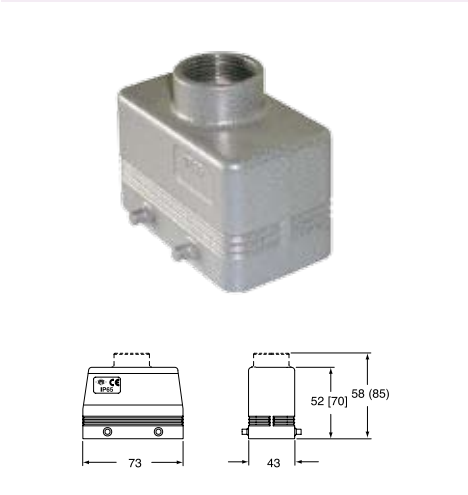

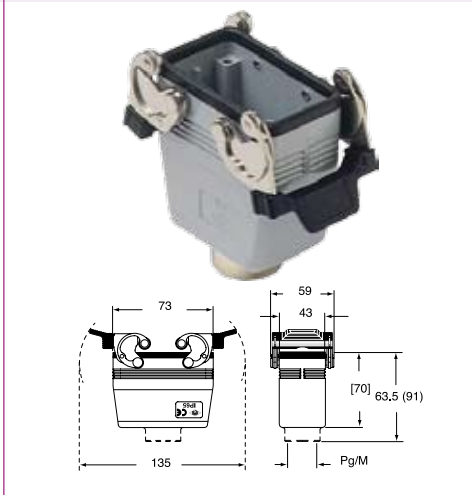
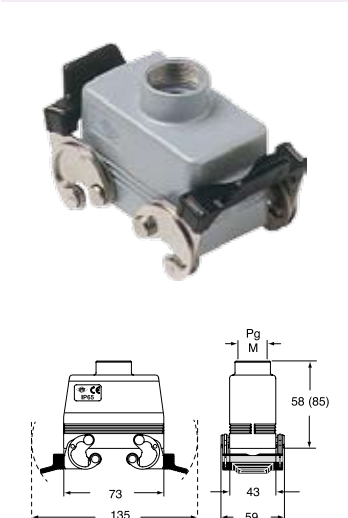
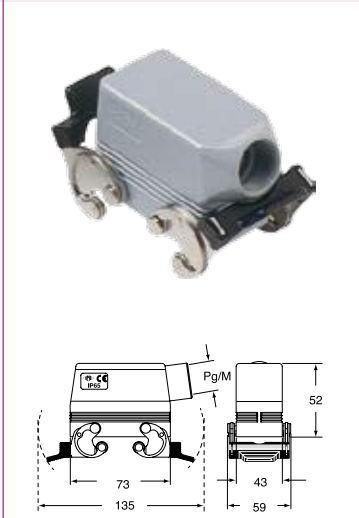

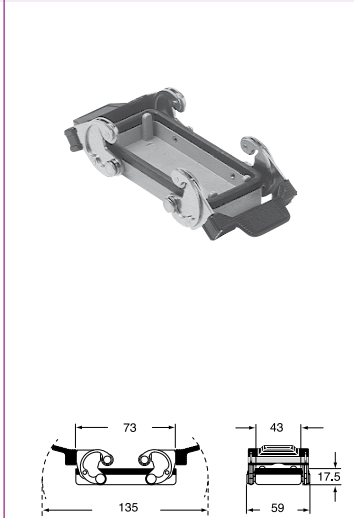
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10 Pole Single & Double Locking Lever	4 & 5	
CN 10 Pin 16amp 400volt	CDD 42 Pin 10amp 250volt	
16 Pole Single & Double Locking Lever	6 & 7	
CN 16 Pin 16amp 400volt	CD 40 Pin 10amp 250volt	CDD 72 Pin 10amp 250volt
CP 6 Pin 35amp 400volt	CX 4 Pin 80amp 690volt	CX / 2 4 Pin 80a 690v + 2 Pin 16a 400 v
24 Pole Single & Double Locking Lever	8 & 9	
CN 24 Pin 16amp 400volt	CD 64 Pin 10amp 250volt	
CDD 108 Pin 10amp 250volt	CX / 8 4 Pin 80amp 690 volt + 8 Pin 6amp 400volt	
32 Pole Single & Double Locking Lever	10 & 11	
CN 32 Pin 16amp 400volt	CD 80 Pin 10amp 250volt	CDD 144 Pin 10amp 250volt
48 Pole Single Locking Lever	12	
CN 48 Pin 16amp 400volt	CD 128 Pin 10amp 250volt	CDD 216 Pin 10amp 250volt
10 Pole (Compact) Single Locking Lever	13	
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Dimensions shown in catalogue are not binding

<p>CHI 06 L</p> 	<p>CHI 06 LS</p> 	<p>MHP 06 L220</p> 	<p>MHP 06 LS220</p> 						
<p>MHV 06 L20 MHV 06 L25</p> 		<p>MHO 06 L20 MHO 06 L25</p> 		<p>MHV 06 LG25</p> 					
<p>CHI 06 LCS</p> 	<p>MHV 06 LX25</p> 	<p>MHO 06 LX25</p> 							
<p>CHC 06 L</p> 	<p>CHC 06 LG</p> 	<table border="1"> <thead> <tr> <th data-bbox="751 1621 1115 1720">Male Inserts</th> <th data-bbox="1115 1621 1495 1720">Female Inserts</th> </tr> </thead> <tbody> <tr> <td data-bbox="751 1720 1115 1899"> <p>CNEM 06 T 6 Pin 16 amp 400 volt</p>  </td> <td data-bbox="1115 1720 1495 1899"> <p>CNEF 06 T 6 Pin 16 amp 400 volt</p>  </td> </tr> <tr> <td data-bbox="751 1899 1115 2078"> <p>CDDM 24 (crimp pins) 24 Pin 10 amp 250 volt</p>  </td> <td data-bbox="1115 1899 1495 2078"> <p>CDDF 24 (crimp pins) 24 Pin 10 amp 250 volt</p>  </td> </tr> </tbody> </table>		Male Inserts	Female Inserts	<p>CNEM 06 T 6 Pin 16 amp 400 volt</p> 	<p>CNEF 06 T 6 Pin 16 amp 400 volt</p> 	<p>CDDM 24 (crimp pins) 24 Pin 10 amp 250 volt</p> 	<p>CDDF 24 (crimp pins) 24 Pin 10 amp 250 volt</p> 
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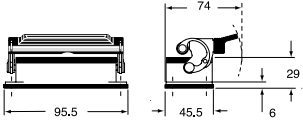

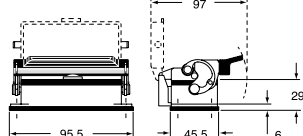
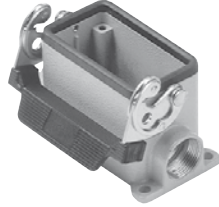
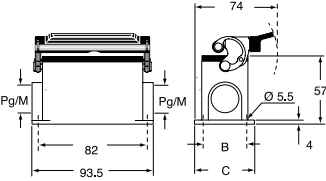

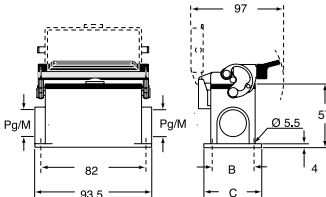

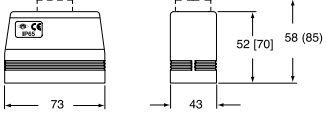

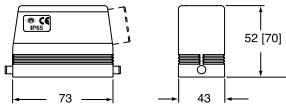

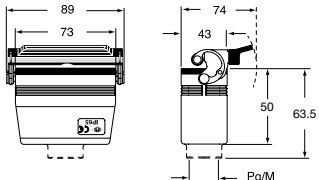

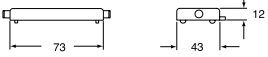

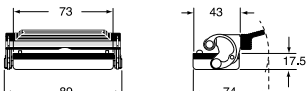
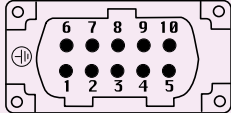
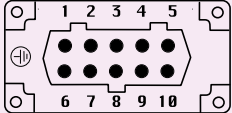
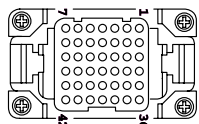
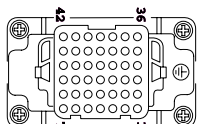
All Dimensions in mm.

For crimp pins refer to page 20.

CHI 10	CHI 10 CS	MHP 10.220	MHP 10 CS220
 <p>3D view and dimensions of CHI 10 enclosure. Dimensions: 135 (width), 95.5 (depth), 59 (height), 45.5 (base width), 29 (height to top), 6 (height to bottom).</p>	 <p>3D view and dimensions of CHI 10 CS enclosure. Dimensions: 74 (width), 95.5 (depth), 45.5 (base width), 29 (height to top), 6 (height to bottom).</p>	 <p>3D view and dimensions of MHP 10.220 enclosure. Dimensions: 135 (width), 82 (depth), 93.5 (total depth), 59 (height), 40 (base width), 52 (total base width), 4 (height to bottom), Pg/M (mounting hole).</p>	 <p>3D view and dimensions of MHP 10 CS220 enclosure. Dimensions: 74 (width), 82 (depth), 93.5 (total depth), 59 (height), 40 (base width), 52 (total base width), 4 (height to bottom), Pg/M (mounting hole), Ø 5.5 (hole diameter).</p>
<p>MHV 10.20 MHV 10.25 MAV 10.32 (high construction)</p>	<p>MHO 10.20 MHO 10.25 MAO 10.32 (high construction)</p>	<p>MHV 10 G25 MAV 10 G32 (high construction)</p>	
 <p>3D view and dimensions of MHV 10.20 enclosure. Dimensions: 73 (width), 52 (70) (height), 58 (85) (total height).</p>	 <p>3D view and dimensions of MHO 10.20 enclosure. Dimensions: 73 (width), 52 (70) (height), 43 (base width).</p>	 <p>3D view and dimensions of MHV 10 G25 enclosure. Dimensions: 73 (width), 59 (height), 43 (base width), 70 (70) (height), 63.5 (91) (total height), 135 (depth), Pg/M (mounting hole).</p>	
<p>MHV 10 X20 MAV 10 X32 (high construction)</p>	<p>MHO 10 X20</p>	<p>CHC 10</p>	<p>CHC 10 G</p>
 <p>3D view and dimensions of MHV 10 X20 enclosure. Dimensions: 73 (width), 135 (depth), 58 (85) (height), 43 (base width), 59 (total base width), Pg/M (mounting hole).</p>	 <p>3D view and dimensions of MHO 10 X20 enclosure. Dimensions: 73 (width), 135 (depth), 52 (height), 43 (base width), 59 (total base width), Pg/M (mounting hole).</p>	 <p>3D view and dimensions of CHC 10 enclosure. Dimensions: 73 (width), 43 (depth), 12 (height).</p>	 <p>3D view and dimensions of CHC 10 G enclosure. Dimensions: 73 (width), 135 (depth), 43 (base width), 59 (total base width), 17.5 (height).</p>

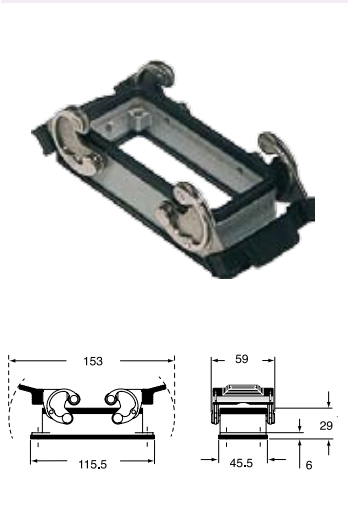
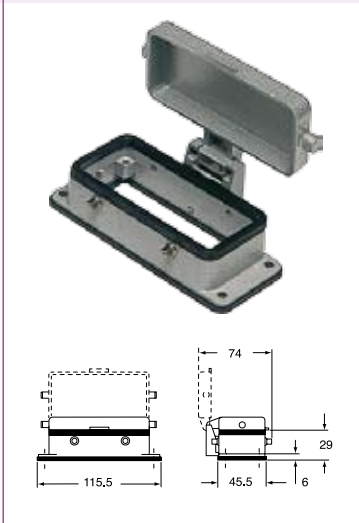
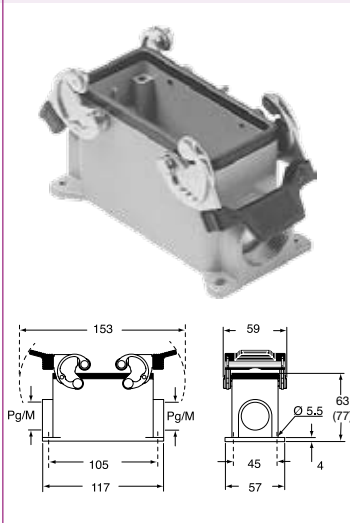
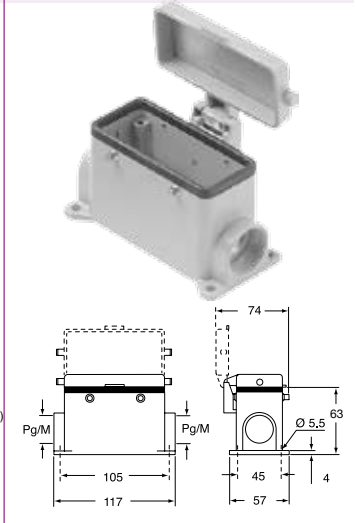
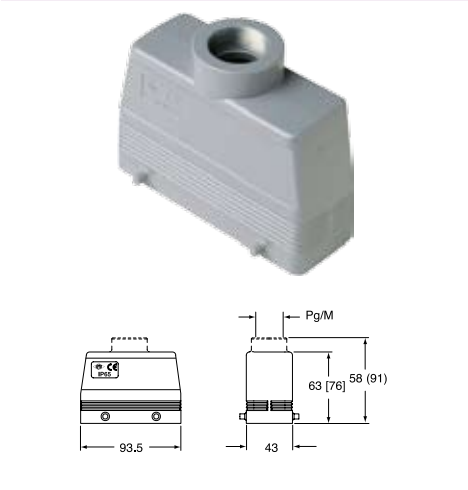
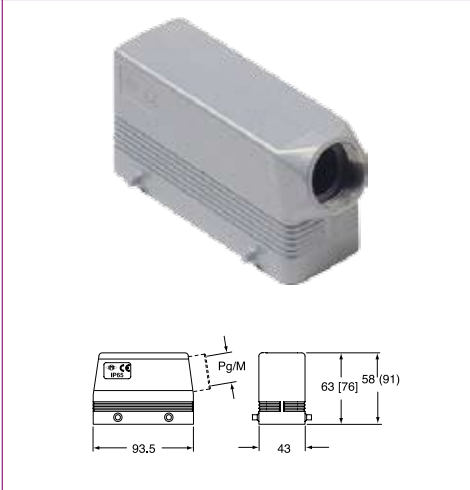
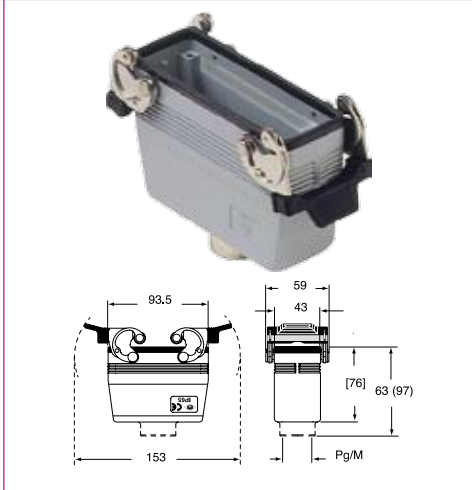
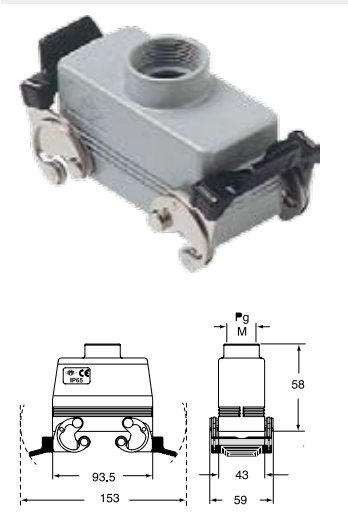
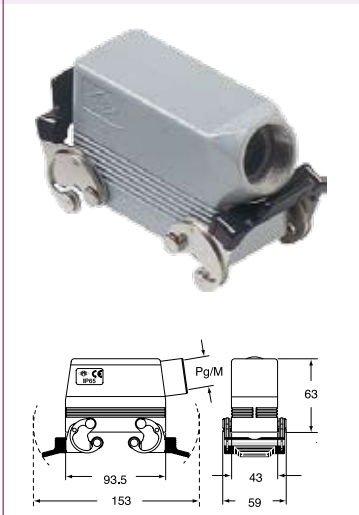
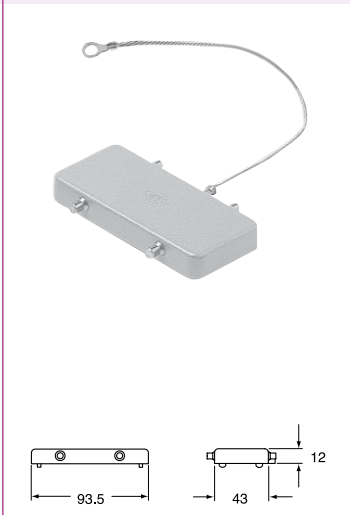
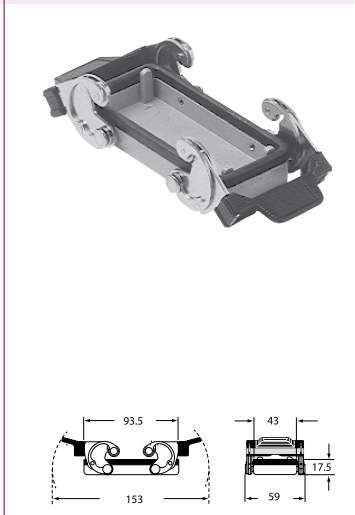
All Dimensions in mm.
Dimensions in brackets are for high construction housings.

Inserts on page 5 also suit these housings on page 4.

<p>CHI 10 L</p>	<p>CHI 10 LS</p>	<p>MHP 10 L220</p>	<p>MHP 10 LS220</p>
 	 	 	 
<p>MHV 10 L20 MHV 10 L25 MAV 10 L32 (high construction)</p>	<p>MHO 10 L20 MHO 10 L25 MAO 10 L32 (high construction)</p>	<p>MHV 10 LG25</p>	
 	 	 	
<p>CHC 10 L</p>	<p>CHC 10 LG</p>	<p>Male Inserts</p>	<p>Female Inserts</p>
 	 	<p>CNEM 10 T 10 Pin 16 amp 400 volt</p> 	<p>CNEF 10 T 10 Pin 16 amp 400 volt</p> 
<p>CDDM 42 (crimp pins) 42 Pin 10 amp 250 volt</p> 		<p>CDDF 42 (crimp pins) 42 Pin 10 amp 250 volt</p> 	

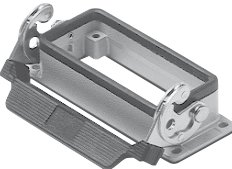
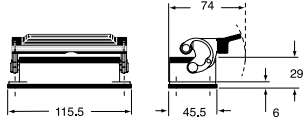
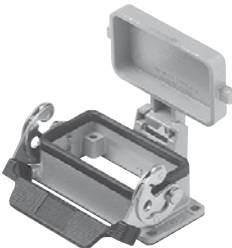
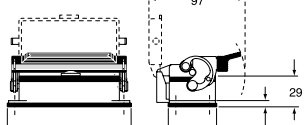
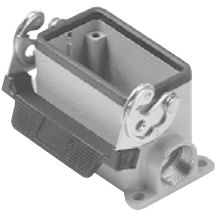
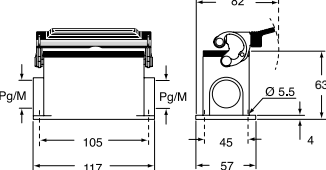

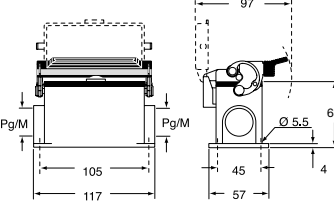

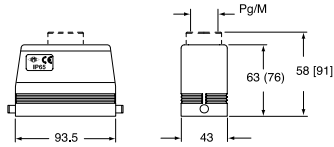

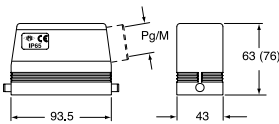

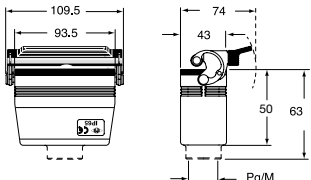

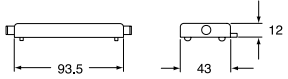

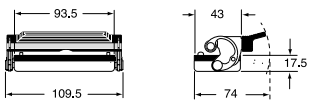
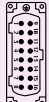

All Dimensions in mm.
Dimensions in brackets are for high construction housings.

For crimp pins refer to page 20.

CHI 16	CHI 16 CS	MHP 16.225 MAP 16.240	MHP 16 CS225
 <p>Technical drawings showing dimensions: 153, 115.5, 59, 29, 45.5, 6.</p>	 <p>Technical drawings showing dimensions: 115.5, 74, 45.5, 6, 29.</p>	 <p>Technical drawings showing dimensions: 153, 105, 117, 59, 63 (77), 45, 57, 4, Pg/M.</p>	 <p>Technical drawings showing dimensions: 74, 63, 105, 117, 45, 57, 4, Pg/M.</p>
<p>MHV 16.25 MHV 16.32 MAV 16.32 (high construction)</p>	<p>MHO 16.25 MHO 16.32 MAO 16.32 (high construction)</p>	<p>MHV 16 G32 MAV 16 G32 (high construction)</p>	
 <p>Technical drawings showing dimensions: 93.5, 43, 63 [76], 58 (91), Pg/M.</p>	 <p>Technical drawings showing dimensions: 93.5, 43, 63 [76], 58 (91), Pg/M.</p>	 <p>Technical drawings showing dimensions: 93.5, 153, 59, 43, 76, 63 (97), Pg/M.</p>	
<p>MHV 16 X25</p>	<p>MHO 16 X25</p>	<p>CHC 16</p>	<p>CHC 16 G</p>
 <p>Technical drawings showing dimensions: 93.5, 153, 58, 43, 59, Pg/M.</p>	 <p>Technical drawings showing dimensions: 93.5, 153, 63, 43, 59, Pg/M.</p>	 <p>Technical drawings showing dimensions: 93.5, 43, 12.</p>	 <p>Technical drawings showing dimensions: 93.5, 153, 43, 59, 17.5.</p>

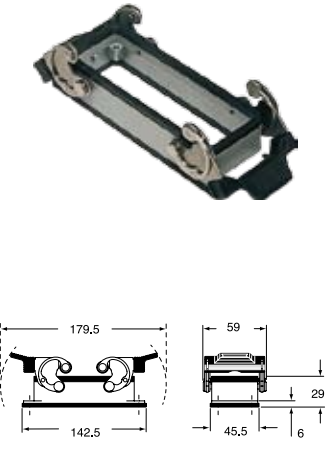
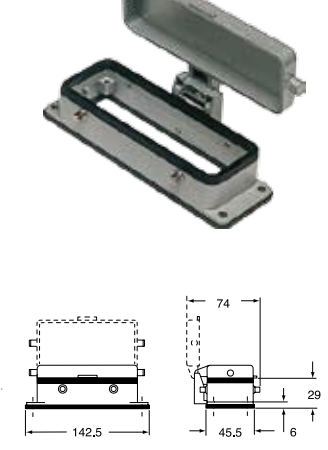
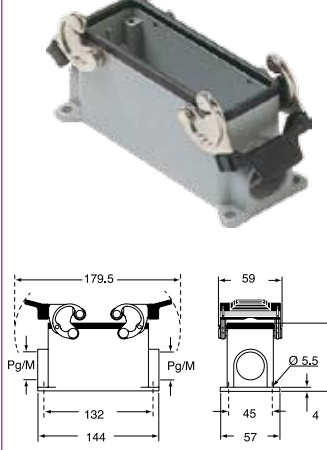
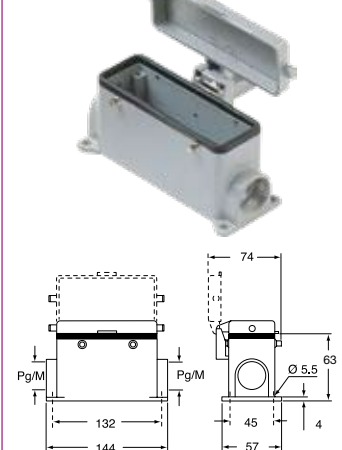
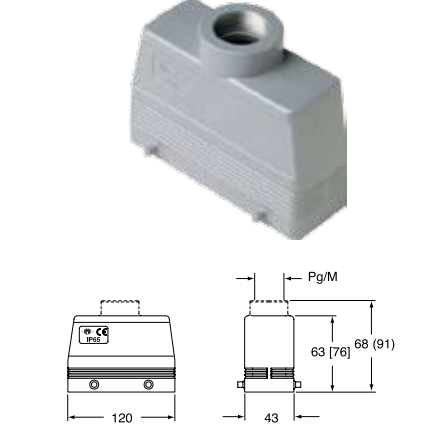

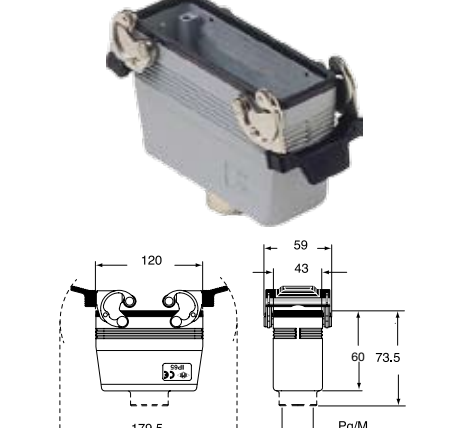
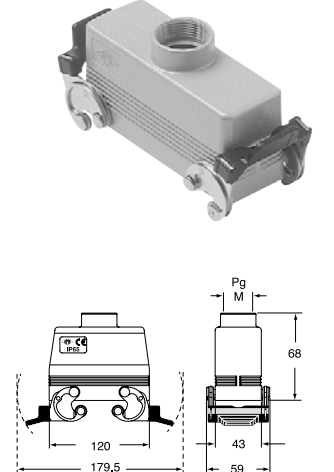
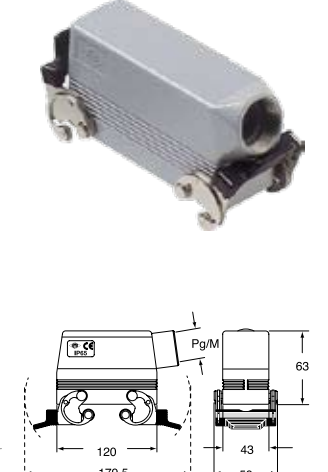
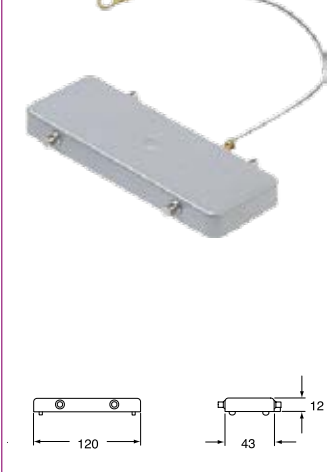

All Dimensions in mm.
Dimensions in brackets are for high construction housings.

Inserts on page 7 also suit these housings on page 6.

CHI 16 L	CHI 16 LS	MHP 16 L225	MHP 16 LS225
 	 	 	 
MHV 16 L25 MHV 16 L32 MAV 16 L32 (high construction)	MHO 16 L25 MHO 16 L32 MAO 16 L32 (high construction)	MHV 16 LG32	
 	 	 	
CHC 16 L	CHC 16 LG	Male Inserts	
 	 	CNEM 16 T 16 pin 16amp 400 volt 	CNEF 16 T 16 pin 16 amp 400 volt 
		CDM 40 40 pin 10amp 250 volt (crimp)	CDF 40 40 pin 10amp 250 volt (crimp)
		CDDM 72 72 pin 10amp 250 volt (crimp)	CDDF 72 72 pin 10 amp 250 volt (crimp)
		CPM 06 6 pin 35amp 400 volt	CPF 06 6 pin 35amp 400 volt
		CXM 4/0 4 pin 80amp 690 volt	CXF 4/0 4 pin 80amp 690 volt
		CXM 4/2 4 pin 80 a 690 v + 2 pin 16 a 400 v	CXF 4/2 4 pin 80 a 690 v + 2 pin 16 a 400 v

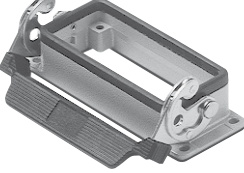
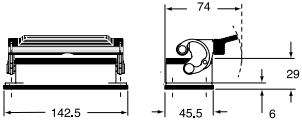

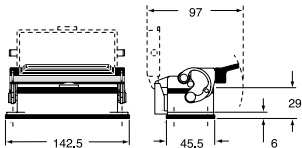

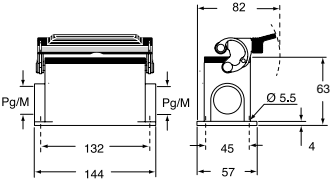

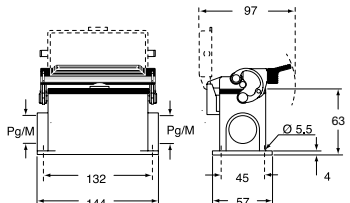

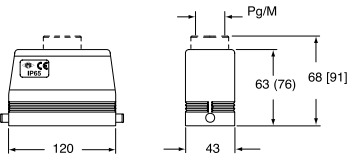

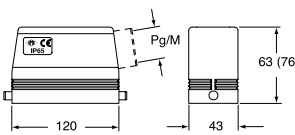

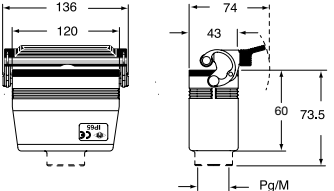

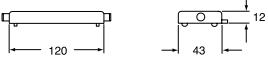

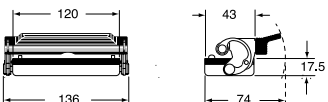
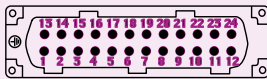
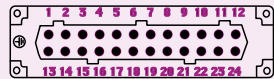
All Dimensions in mm.
 Dimensions in brackets are for high construction housings.

For crimp pins refer to page 20.

CHI 24	CHI 24 CS	MHP 24.225 MAP 24.240	MHP 24 CS225
 <p>3D view of CHI 24 enclosure. Dimensions: 179.5 (width), 142.5 (depth), 59 (height), 29 (flange height), 45.5 (base width), 6 (base thickness).</p>	 <p>3D view of CHI 24 CS enclosure. Dimensions: 142.5 (depth), 74 (height), 45.5 (base width), 6 (base thickness).</p>	 <p>3D view of MHP 24.225 / MAP 24.240 enclosure. Dimensions: 179.5 (width), 132 (depth), 144 (total depth), 59 (height), 45 (base width), 57 (base thickness), 4 (base offset), 63 (80) (flange diameter), Pg/M (mounting hole).</p>	 <p>3D view of MHP 24 CS225 enclosure. Dimensions: 144 (depth), 74 (height), 45 (base width), 57 (base thickness), 4 (base offset), 63 (80) (flange diameter), Pg/M (mounting hole).</p>
<p>MHV 24.25 MHV 24.32 MAV 24.32 (high construction)</p>	<p>MHO 24.25 MHO 24.32 MAO 24.32 (high construction)</p>	<p>MHV 24 G32</p>	
 <p>3D view of MHV 24.25 / MHV 24.32 / MAV 24.32 enclosure. Dimensions: 120 (width), 43 (depth), 63 [76] (height), 68 [91] (total height), Pg/M (mounting hole).</p>	 <p>3D view of MHO 24.25 / MHO 24.32 / MAO 24.32 enclosure. Dimensions: 120 (width), 43 (depth), 63 [76] (height), Pg/M (mounting hole).</p>	 <p>3D view of MHV 24 G32 enclosure. Dimensions: 120 (width), 179.5 (total width), 59 (height), 43 (depth), 60 (base height), 73.5 (total height), Pg/M (mounting hole).</p>	
<p>MHV 24 X25</p>	<p>MHO 24 X25</p>	<p>CHC 24</p>	<p>CHC 24 G</p>
 <p>3D view of MHV 24 X25 enclosure. Dimensions: 120 (width), 179.5 (total width), 43 (depth), 59 (base depth), 68 (height), Pg/M (mounting hole).</p>	 <p>3D view of MHO 24 X25 enclosure. Dimensions: 120 (width), 179.5 (total width), 43 (depth), 59 (base depth), 63 (height), Pg/M (mounting hole).</p>	 <p>3D view of CHC 24 enclosure. Dimensions: 120 (width), 43 (depth), 12 (height).</p>	 <p>3D view of CHC 24 G enclosure. Dimensions: 120 (width), 179.5 (total width), 43 (depth), 59 (base depth), 17.5 (height).</p>

All Dimensions in mm.
Dimensions in brackets are for high construction housings.

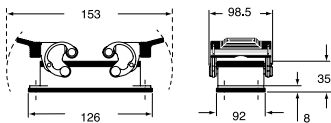
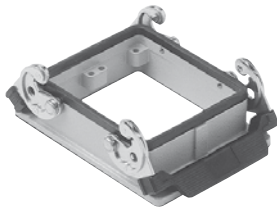
Inserts on page 9 also suit these housings on page 8.

CHI 24 L	CHI 24 LS	MHP 24 L225	MHP 24 LS225		
 	 	 	 		
MHV 24 L25 MHV 24 L32 MAV 24 L32 (high construction)	MHO 24 L25 MHO 24 L32 MAO 24 L32 (high construction)	MHV 24 LG32			
 	 	 			
CHC 24 L	CHC 24 LG	Male Inserts			
 	 	CNEM 24 T 24 pin 16amp 400 volt 		CNEF 24 T 24 pin 16amp 400 volt 	
		CDM 64 64 pin 10amp 250 volt (crimp)	CDF 64 64 pin 10amp 250 volt (crimp)		
		CDDM 108 108 pin 10amp 250 volt (crimp)	CDDF 108 108 pin 10amp 250 volt (crimp)		
		CXM 4 / 8 4 pin 80amp 690 v + 8 pin 16a 400 v	CXF 4 / 8 4 pin 80amp 690 v + 8 pin 16a 400 v		

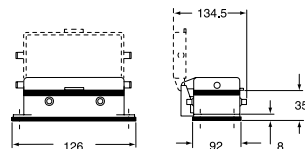
All Dimensions in mm.
 Dimensions in brackets are for high construction housings.

For crimp pins refer to page 20.

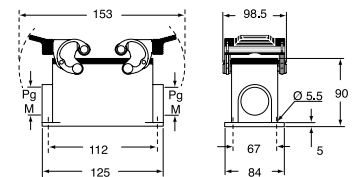
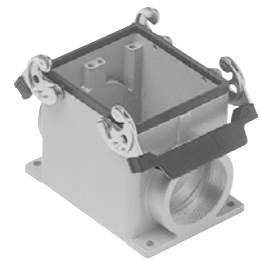
CHI 32



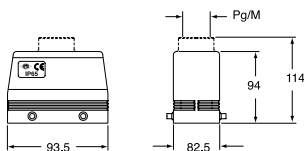
CHI 32 CS



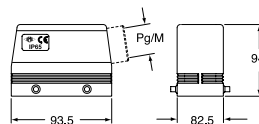
MHP 32.240



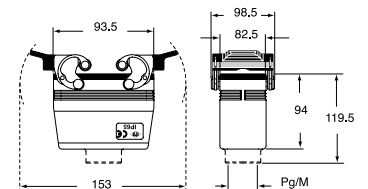
MHV 32.40



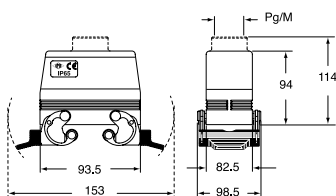
MHO 32.40



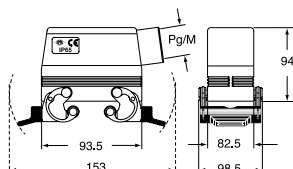
MHV 32 G40



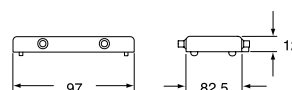
MHV 32X40



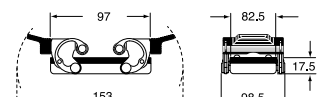
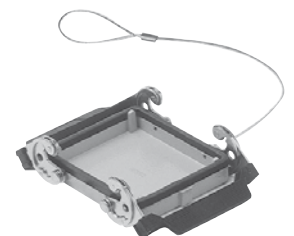
MHO 32X40



CHC 32

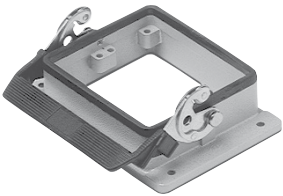
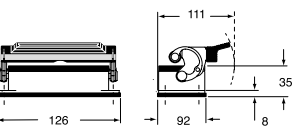
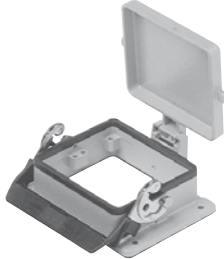
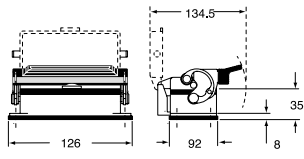
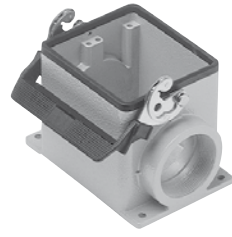
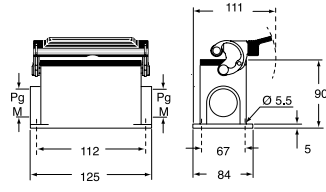
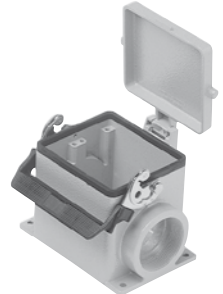
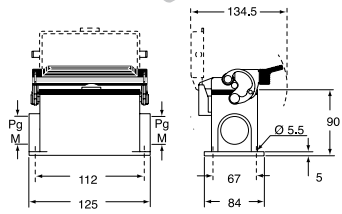

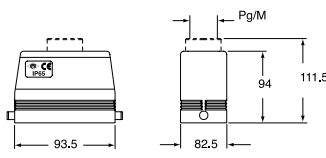

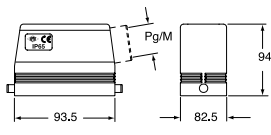

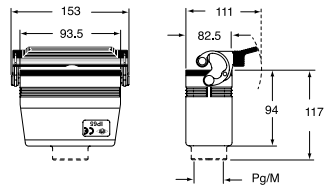

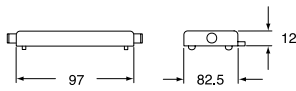

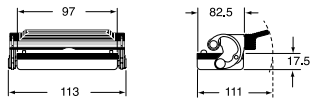


CHC 32G



All Dimensions in mm.
Dimensions in brackets are for high construction housings.

Inserts on page 11 also suit these housings on page 10.


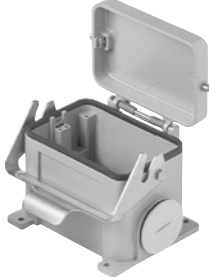


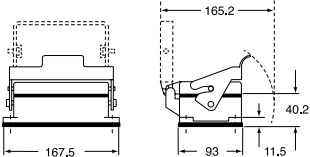
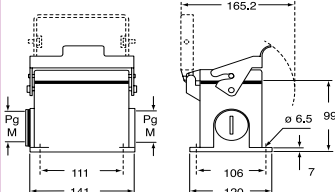
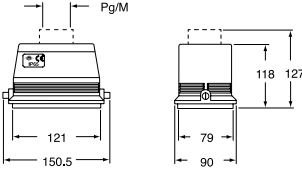
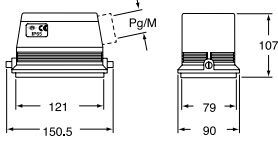
CHI 32 L	CHI 32 LS	MHP 32 L250									
 	 	 	 								
MHV 32 L40		MHO 32 L40		MHV 32 LG40							
 		 		 							
CHC 32 L	CHC 32 LG	Male Inserts									
 	 	<table border="1"> <thead> <tr> <th data-bbox="778 1556 1129 1787">Male Inserts</th> <th data-bbox="1134 1556 1490 1787">Female Inserts</th> </tr> </thead> <tbody> <tr> <td data-bbox="778 1556 1129 1787"> CNEM 16 T 16 Pin (1-16) 16amp 400 volt CNEM 16 TN 16 Pin (17-32) 16 amp 400 volt </td> <td data-bbox="1134 1556 1490 1787"> CNEF 16 T 16 Pin (1-16) 16amp 400 volt CNEF 16 TN 16 Pin (17-32) 16 amp 400 volt </td> </tr> <tr> <td data-bbox="778 1787 1129 1926"> CDM 40 x 2 80 Pin 10amp 250 volt (crimp) </td> <td data-bbox="1134 1787 1490 1926"> CDF 40 x 2 80 Pin 10amp 250 volt (crimp) </td> </tr> <tr> <td data-bbox="778 1926 1129 2054"> CDDM 72 x 2 144 Pin 10amp 250 volt (crimp) </td> <td data-bbox="1134 1926 1490 2054"> CDDF 72 x 2 144 Pin 10amp 250 volt (crimp) </td> </tr> </tbody> </table>		Male Inserts	Female Inserts	CNEM 16 T 16 Pin (1-16) 16amp 400 volt CNEM 16 TN 16 Pin (17-32) 16 amp 400 volt	CNEF 16 T 16 Pin (1-16) 16amp 400 volt CNEF 16 TN 16 Pin (17-32) 16 amp 400 volt	CDM 40 x 2 80 Pin 10amp 250 volt (crimp)	CDF 40 x 2 80 Pin 10amp 250 volt (crimp)	CDDM 72 x 2 144 Pin 10amp 250 volt (crimp)	CDDF 72 x 2 144 Pin 10amp 250 volt (crimp)
Male Inserts	Female Inserts										
CNEM 16 T 16 Pin (1-16) 16amp 400 volt CNEM 16 TN 16 Pin (17-32) 16 amp 400 volt	CNEF 16 T 16 Pin (1-16) 16amp 400 volt CNEF 16 TN 16 Pin (17-32) 16 amp 400 volt										
CDM 40 x 2 80 Pin 10amp 250 volt (crimp)	CDF 40 x 2 80 Pin 10amp 250 volt (crimp)										
CDDM 72 x 2 144 Pin 10amp 250 volt (crimp)	CDDF 72 x 2 144 Pin 10amp 250 volt (crimp)										


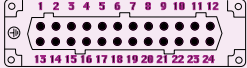
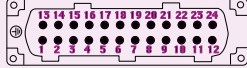
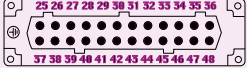
All Dimensions in mm.
 Dimensions in brackets are for high construction housings.

For crimp pins refer to page 20.

CH-MH Enclosures

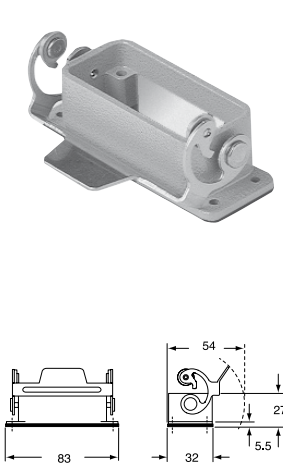
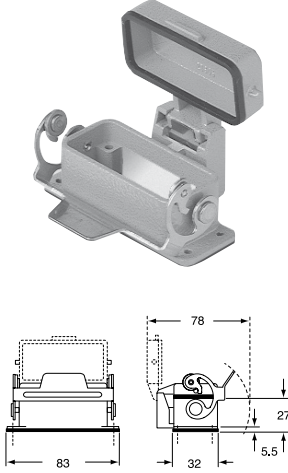
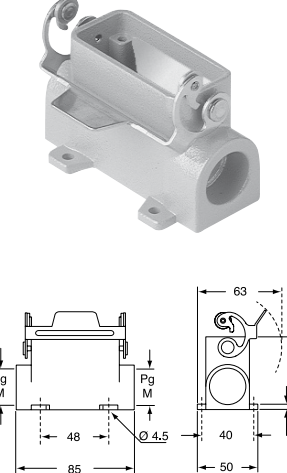
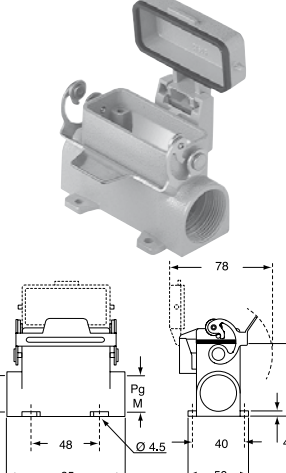
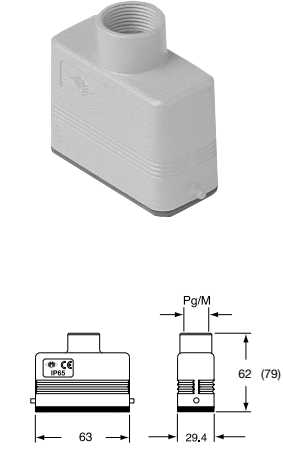
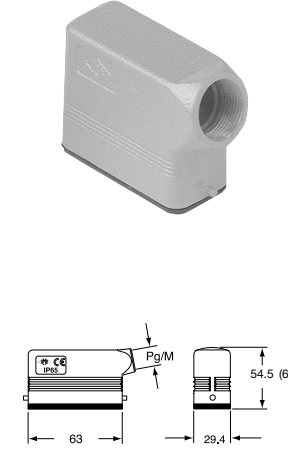

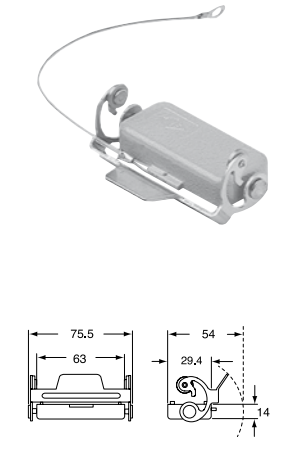
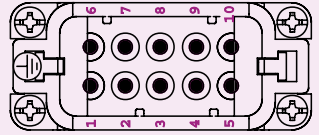
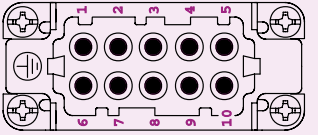
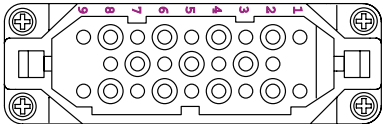
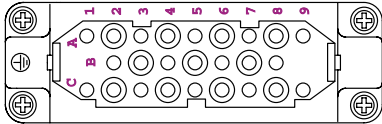
Size 104.62

CHI 48 LS	MHP 48 LS40	MHV 48 L40	MHO 48 L40
			
			

Male Inserts		Female Inserts	
CNEM 24 T 24 Pin (1-24) 16amp 400 volt		CNEF 24 T 24 Pin (1-24) 16amp 400 volt	
CNEM 24 TN 24 Pin (25-48) 16 amp 400 volt		CNEF 24 TN 24 Pin (25-48) 16 amp 400 volt	
CDM 64 x 2 128 Pin 10amp 250 volt (crimp)		CDF 64 x 2 128 Pin 10amp 250 volt (crimp)	
CDDM 108 x 2 216 Pin 10amp 250 volt (crimp)		CDDF 108 x 2 216 Pin 10amp 250 volt (crimp)	

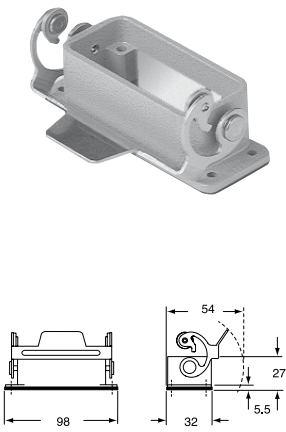
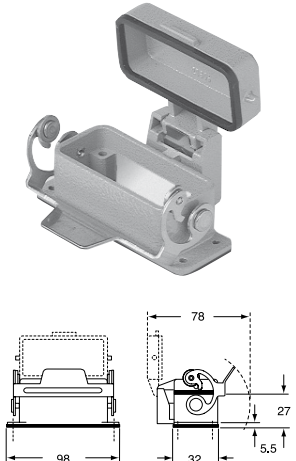
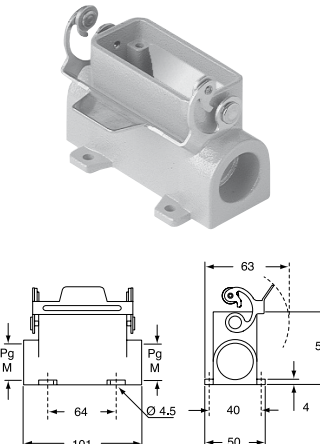
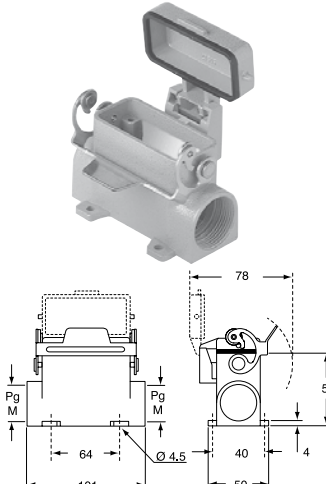
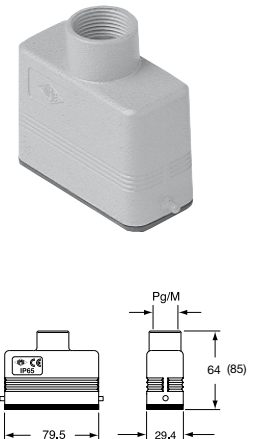
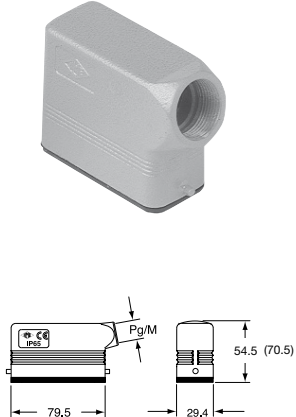

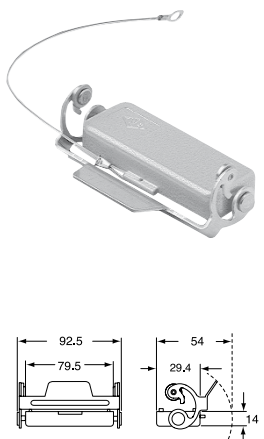
Cable Glands

HSK-K Polyamide	HSK-FLEX Polyamide	HSK-M Nickel Plated Brass	CRS Nickel Plated Brass
			
1.209.2001.50 Metric 20 cable dia 6 - 12 mm	1.293.2001.50 Metric 20 cable dia 6 - 12 mm	1.609.2000.50 Metric 20 cable dia 6 - 12 mm	CRS 20 Metric 20 cable dia 6.5 - 15 mm
1.209.2501.50 Metric 25 cable dia 13 - 18 mm	1.293.2501.50 Metric 25 cable dia 13 - 18 mm	1.609.2500.50 Metric 25 cable dia 13 - 18 mm	CRS 25 Metric 25 cable dia 9 - 19 mm
1.209.3201.50 Metric 32 cable dia 18 - 25 mm		1.609.3200.50 Metric 32 cable dia 18 - 25 mm	CRS 32 Metric 32 cable dia 17 - 27 mm
1.209.4001.50 Metric 40 cable dia 22 - 32 mm		1.609.4000.50 Metric 40 cable dia 22 - 32 mm	
1.209.5001.50 Metric 50 cable dia 32 - 38 mm			

<p>CZI 15 L</p> 	<p>CZI 15 LS</p> 	<p>MZP 15 L225</p> 	<p>MZP 15 LS225</p> 
<p>MZV 15 L20 MZAV 15 L25 (high construction)</p> 	<p>MZO 15 L20 MZAO 15 L25 (high construction)</p> 	<p>CZC 15 L</p> 	<p>CZC 15 LG</p> 
<p>Male Inserts</p>		<p>Female Inserts</p>	
<p>CDAM 10 10 Pin 16amp 400 volt</p> 		<p>CDAF 10 10 Pin 16 amp 400 volt</p> 	
<p>CDM 15 15 Pin 10amp 250 volt (crimp)</p> 		<p>CDF 15 15 Pin 10amp 250 volt (crimp)</p> 	

All Dimensions in mm.
Dimensions in brackets are for high construction housings.

For crimp pins refer to page 20.

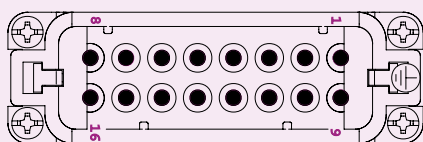
CZI 25 L	CZI 25 LS	MZP 25 L225	MZP 25 LS225
			
<p>MZV 25 L20 MZAV 25 L25 (high construction)</p>	<p>MZO 25 L20 MZAO 25 L25 (high construction)</p>	<p>CZC 25 L</p>	<p>CZC 25 LG</p>
			

Male Inserts

Female Inserts

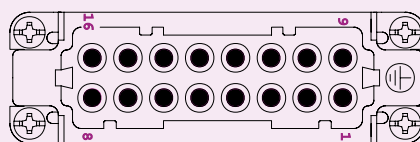
CDAM 16

16 Pin 16amp 400 volt



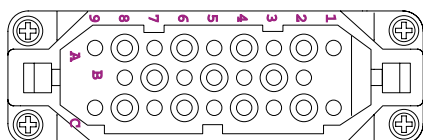
CDAF 16

16 Pin 16amp 400 volt



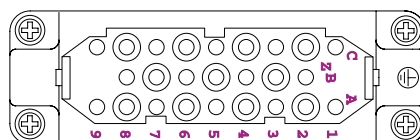
CDM 25

25 Pin 10amp 250 volt (crimp)



CDF 25

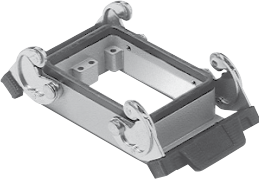
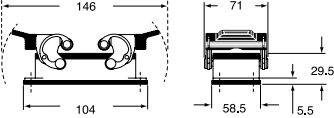

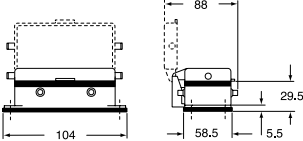
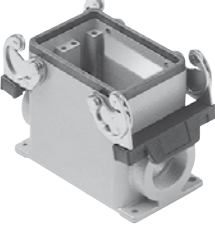
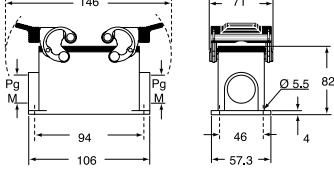

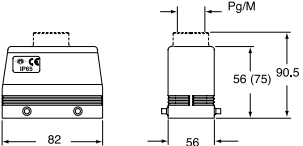

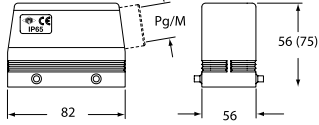

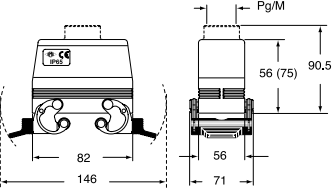

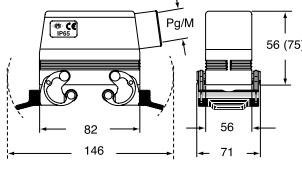

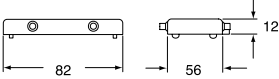
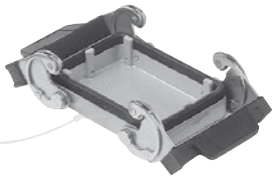
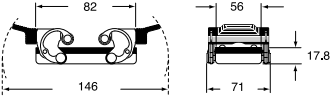
25 Pin 10amp 250 volt (crimp)



All Dimensions in mm.

Dimensions in brackets are for high construction housings.

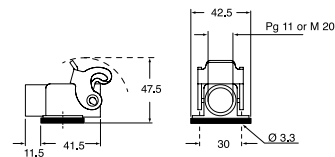
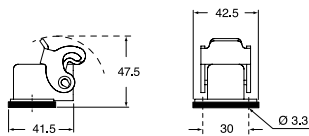
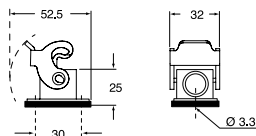
For crimp pins refer to page 20.

CHI 50	CHI 50 CS	MHP 50.232	
 	 	 	
MAV 50.32 (high construction)	MHO 50.25	MAV 50 X 25 (high construction)	MHO 50 X 25
 	 	 	 
CHC 50	CHC 50 G	Male Inserts	
 	 	Female Inserts	
		CDAM 16 16 Pin (1-16) 16 amp 400 volt	CDAF 16 16 Pin (1-16) 16 amp 400 volt
		CDAM 16 N 16 Pin (17-32) 16 amp 400 volt	CDAF 16 N 16 Pin (17-32) 16 amp 400 volt
		CDM 25 x 2 50 Pin 10amp 250 volt (crimp)	CDF 25 x 2 50 Pin 10 amp 250 volt (crimp)
		CDDM 38 x 2 72 Pin 10amp 250 volt (crimp)	CDDF 38 x 2 72 Pin 10amp 250 volt (crimp)

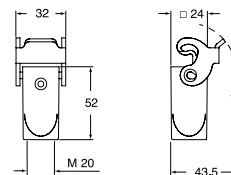
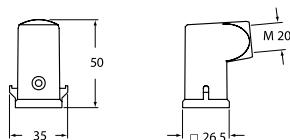
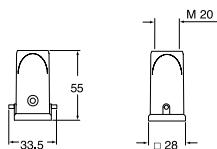
All Dimensions in mm.
 Dimensions in brackets are for high construction housings.

For crimp pins refer to page 20.

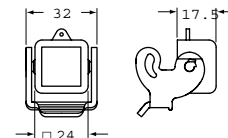
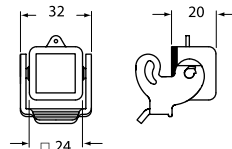
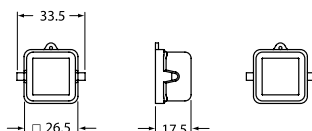
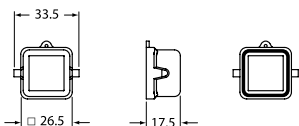
CK 03 I	CK 03 IA	MK IAP20
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MK V20	MK VA20	MK VG20
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CK 03 C for female inserts	CK 03 CA for male inserts	CK 03 CX for female inserts	CK 03 CXA for male inserts
--------------------------------------	-------------------------------------	---------------------------------------	--------------------------------------



All Dimensions in mm.
Dimensions in brackets are for high construction housings.

Inserts on page 17 also suit these housings on page 16.

<p align="center">CKAX 03 I</p>  	<p align="center">CKAX 03 IA</p>  	<p align="center">MKAX IAP20</p>  	
<p align="center">MKA V20</p>  	<p align="center">MKA VA20</p>  	<p align="center">MKAX VG20</p>  	
<p align="center">CKA 03 C for female inserts</p>  	<p align="center">CKA 03 CA for male inserts</p>  	<p align="center">CKAX 03 CX for female inserts</p>  	<p align="center">CKAX 03 CXA for male inserts</p>  
<p align="center">Male Inserts</p>		<p align="center">Female Inserts</p>	
<p>CKM 03 3pin & Earth 10amp 250 volt</p>		<p>CKF 03 3pin & Earth 10amp 250 volt</p>	
<p>CKM 04 4pin & Earth 10amp 250 volt</p>		<p>CKF 04 4pin & Earth 10amp 250 volt</p>	
<p>CDM 07* 7pin & Earth 10amp 250 volt (crimp)</p>		<p>CDF 07* 7pin & Earth 10amp 250 volt (crimp)</p>	
<p>CDM 08 8pin 10amp 50 volt (crimp)</p>		<p>CDF 08 8pin 10amp 50 volt (crimp)</p>	
<p>CQM 05 5pin & Earth 16amp 400 volt (crimp)</p>		<p>CQF 05 5pin & Earth 16amp 400 volt (crimp)</p>	

For crimp pins refer to page 20.

*CDM 07 & *CDF 07 only suit thermoplastic housings on page 16

MIXO Modular Units

Use

The MIXO series is a system of modular units for special applications that uses the traditional ILME enclosures.

Each enclosure can house different types of connections such as, for example: electric signals and contacts for the conduction of compressed air and liquids with pressure values of up to 8 bars.

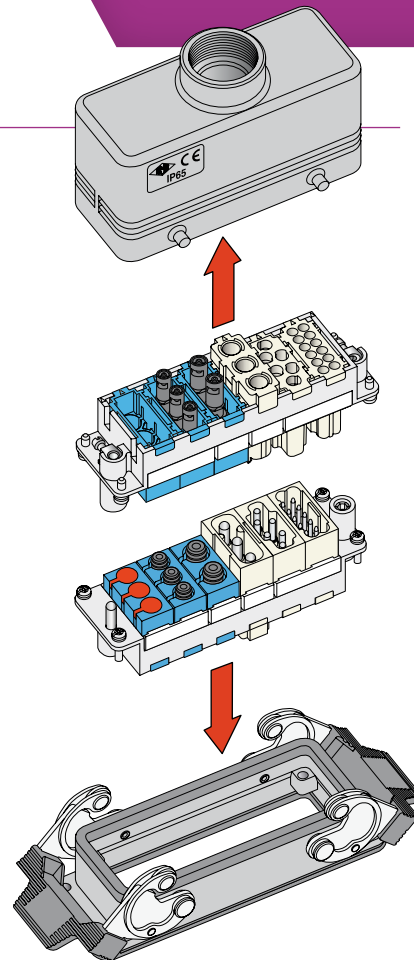
The inserts are arranged side by side to form a single compact block which is inserted into metallic frames with mandatory housings. Once the modules have been inserted and locked with the special tabs, the connector can then be inserted into the enclosure.

The modular structure system makes it easy to access a series of contacts inserted in the frame (e.g., for substitution, checks or the addition of signals with new inserts for needs not foreseen during the initial installation) without having to disassemble the entire connector.

The use of standard die-cast aluminium enclosures with degree of protection IP65 provides the possibility of innumerable applications.

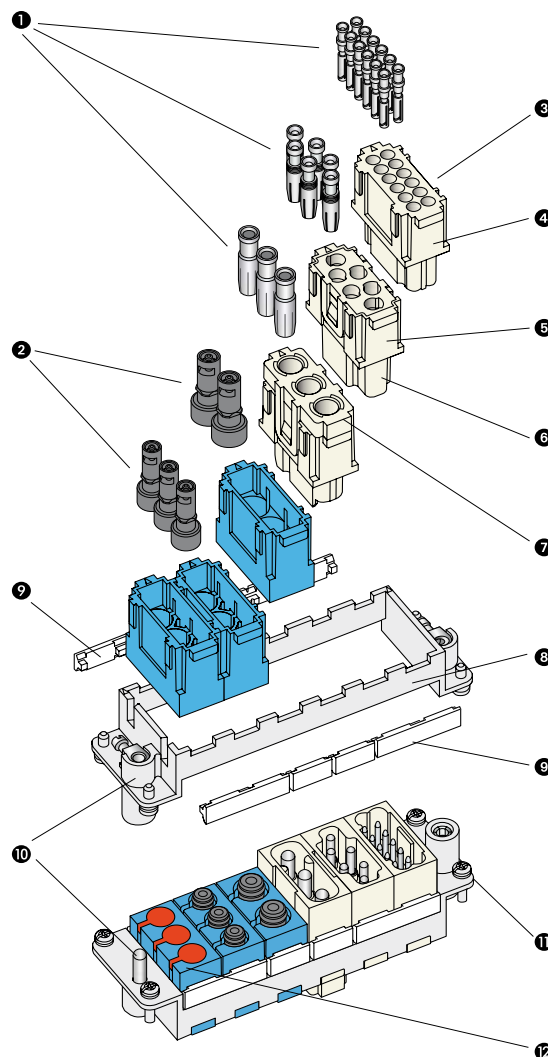
The MIXO series may be used with 5 different frame sizes. The following table lists the frames and the metallic enclosures that may be used.

frames	one or two-lever metallic enclosures
CX 01 T	size "49.16"
CX 02 TM/TF	size "44.27"
CX 03 TM/TF	size "57.27"
CX 04 TM/TF	size "77.27"
CX 06 TM/TF	size "104.27"
CX 04 TM/TF (x 2)	size "77.62"
CX 06 TM/TF (x 2)	size "104.62"



Characteristics

- 1 electric contacts in silver-plated or gold-plated brass with connections to the conductors via crimping.
- 2 pneumatic contacts in plastic with insertion tube connection
- 3 modular inserts of identical size with insertion system for forming the complete module and frame lock tab.
- 4 inserts in self-extinguishing thermosplastic material, reinforced with glass fibre, UL approved, with a working temperature range of -40 °C to +125 °C.
- 5 inserts in conformance with the requirements of the EN 61984 standard and certified and marked with the UL and CSA marks.
- 6 inserts with asymmetric guide rails to prevent incorrect coupling.
- 7 position of contacts identified with numbers or codes on both sides of every insert.
- 8 male/female module carrier frames with mandatory housings and polarity, in die-cast zinc alloy.
- 9 module lock tab, may be divided according to the number of modules used; guarantees a perfect stability of the modules during wiring and coupling/uncoupling of the connectors.
- 10 asymmetric earth contacts (two for frame) with wide contact surface prevent incorrect coupling; when two or more identical connectors of the MIXO series are used, coded pins prevent incorrect coupling (see pages 242 and 243).
- 11 captive frame fastening screws, with flexible spring washer.
- 12 dummy module for unused frame slots.

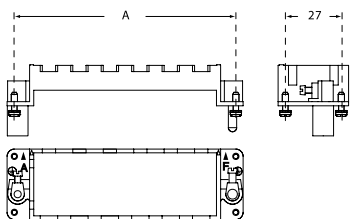


MIXO Modular Units

Frames for Modular Units



dimensions in mm

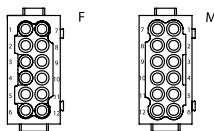


Part No - type for hoods	Part No - type for housings
CX 02 TM	CX 02 TF
CX 03 TM	CX 03 TF
CX 04 TM	CX 04 TF
CX 06 TM	CX 06 TF
Part No.	A (mm) for housings size
CX 02 TM/TF	44 44.27
CX 03 TM/TF	57 57.27
CX 04 TM/TF	77.5 77.27
CX 06 TM/TF	104 104.27

12 Pole 10 amp



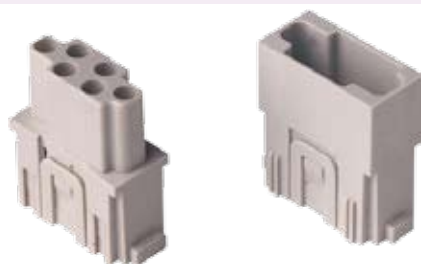
CX 12 DF **CX 12 DM**



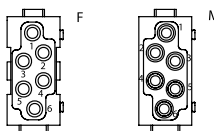
Crimp Pins To Suit

Female	CDFA
Male	CDMA
See Page 20	

6 Pole 16 amp



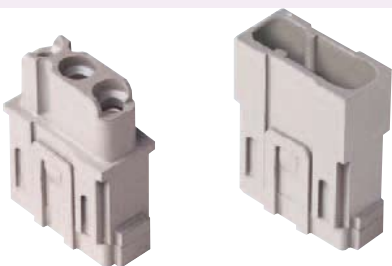
CX 06 CF **CX 06 CM**



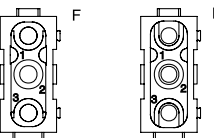
Crimp Pins To Suit

Female	CCCA
Male	CCMA
See Page 20	

3 Pole 40 amp



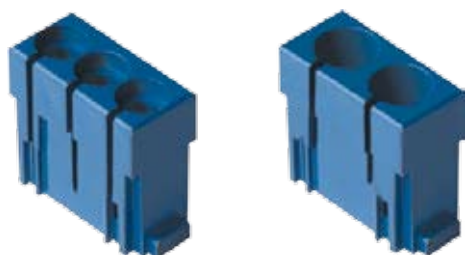
CX 03 4F **CX 03 4M**



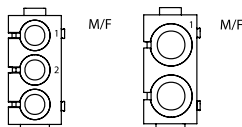
Crimp Pins To Suit

Female	CXFA
Male	CXMA
See Page 20	

Pneumatic Contacts



CX 03 P **CX 02 P**



female contacts without closing valve

- for tubes with internal ø 1.6 mm	CX 1.6 PF
- for tubes with internal ø 3 mm	CX 3.0 PF
- for tubes with internal ø 4 mm	CX 4.0 PF
- for tubes with internal ø 6 mm	CX 6.0 PF

male contacts without closing valve

- for tubes with internal ø 1.6 mm	CX 1.6 PM
- for tubes with internal ø 3 mm	CX 3.0 PM
- for tubes with internal ø 4 mm	CX 4.0 PM
- for tubes with internal ø 6 mm	CX 6.0 PM

female contacts with closing valve

- for tubes with internal ø 1.6 mm	CX 1.6 VC
- for tubes with internal ø 3 mm	CX 3.0 VC
- for tubes with internal ø 4 mm	CX 4.0 VC
- for tubes with internal ø 6 mm	CX 6.0 VC

male contacts (use contacts without closing valve)

There are more combinations of modular units available.

Crimp Pins

Male Pins 10amp Silver Plated			Male Pins 16amp Silver Plated			Male Pins 40amp Silver Plated		
CDMA	0.3	0.14 - 0.37 mm ²	CCMA	0.5	0.5 mm ²	CXMA	1.5	1.5 mm ²
CDMA	0.5	0.5 mm ²	CCMA	0.7	0.75 mm ²	CXMA	2.5	2.5 mm ²
CDMA	0.7	0.75 mm ²	CCMA	1.0	1 mm ²	CXMA	4.0	4.0 mm ²
CDMA	1.0	1 mm ²	CCMA	1.5	1.5 mm ²	CXMA	6.0	6.0 mm ²
CDMA	1.5	1.5 mm ²	CCMA	2.5	2.5 mm ²			
CDMA	2.5	2.5 mm ²	CCMA	4.0	4.0 mm ²			

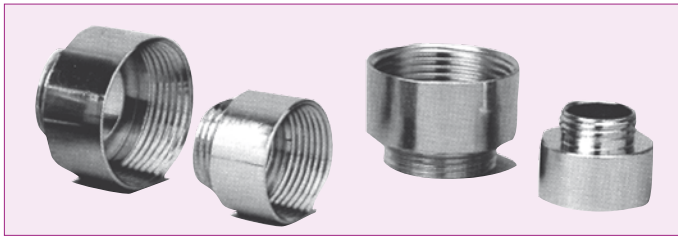
Female Pins 10amp Silver Plated			Female Pins 16amp Silver Plated			Female Pins 40amp Silver Plated		
CDFA	0.3	0.14 - 0.37 mm ²	CCFA	0.5	0.5 mm ²	CXFA	1.5	1.5 mm ²
CDFA	0.5	0.5 mm ²	CCFA	0.7	0.75 mm ²	CXFA	2.5	2.5 mm ²
CDFA	0.7	0.75 mm ²	CCFA	1.0	1 mm ²	CXFA	4.0	4.0 mm ²
CDFA	1.0	1 mm ²	CCFA	1.5	1.5 mm ²	CXFA	6.0	6.0 mm ²
CDFA	1.5	1.5 mm ²	CCFA	2.5	2.5 mm ²			
CDFA	2.5	2.5 mm ²	CCFA	4.0	4.0 mm ²			

Crimp Tools

<p>CCPZ MIL</p>  <p>Crimp Tool for 10 amp & 16 amp pins</p>	<p>CCES</p>  <p>Removal Tool for 10 amp pins</p>	<p>CCPZ RN</p>  <p>positioning turret incorporated</p> <p>Crimp Tool for 10, 16 & 40 amp pins</p>
<p>CCTP 10</p>  <p>contact selector male: red female: blue none: white (stop)</p> <p>release button for ejection of selector</p> <p>Turret head for 10 amp pins used in conjunction with CCPZ MIL</p>	<p>CQES</p>  <p>Removal Tool for 16 amp pins</p>	<p>CCINA</p>  <p>Insertion Tool for 10, 16 & 40 amp pins</p>
<p>CCTP 16</p>  <p>contact selector male: red female: blue none: white (stop)</p> <p>release button for ejection of selector</p> <p>Turret head for 16 amp pins used in conjunction with CCPZ MIL</p>	<p>CXES</p>  <p>Removal Tool for 40 amp pins</p>	<p>CCPR RN</p>  <p>Replacement tip for CCINA</p>

Enlargers / Reducers

Enlargers EN



Small outer thread. Large inner thread.

An enlarger is used if the dimensions of existing tapped holes are too small for a given gland.

Material: Nickel plated brass

Part No	Type - PG outer - PG inner
90630	EN 7/9
90631	EN 9/11
90632	EN 9/13,5
90633	EN 11/13,5
90634	EN 11/16
90635	EN 13/16
90636	EN 13,5/21
90637	EN 16/21
90638	EN 21/29
90639	EN 29/36
90640	EN 36/42
90641	EN 42/48

Reducers RE



Large outer thread. Small inner thread.

A reducer is used if the dimensions of existing tapped holes are too large for a given gland.

Material: Nickel plated brass

Part No	PG outer - PG inner
90642	RE 9/7
90643	RE 11/7
90644	RE 11/9
90645	RE 13,5/7
90646	RE 13,5/9
90647	RE 13,5/11
90648	RE 16/7
90649	RE 16/9
90650	RE 16/11
90651	RE 16/13,5

Part No	PG outer - PG inner
90652	RE 21/11
90653	RE 21/13,5
90654	RE 21/16
90655	RE 29/16
90656	RE 29/21
90657	RE 36/21
90658	RE 36/29
90659	RE 42/29
90660	RE 42/36
90661	RE 48/36
90662	RE 48/42

Blank Plugs

Plastic Plugs

Material:

PA (Nylon)

Protection:

IP 54 (NEMA 2)

Operating Temperature:

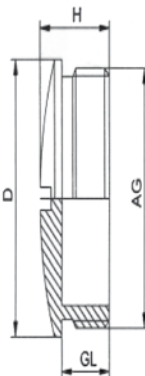
-40°C to 100°C

(-40° F to 212° F) (PA)

Colours: Grey

RAL 7035

Other colours available on request



AG	GL mm	H mm	D mm	Number PA Grey
M 16 x 1,5	7	11,5	20	1.251.1600.50
M 20 x 1,5	7	13	24	1.251.2000.50
M 25 x 1,5	11	15,5	30	1.251.2500.50
M 32 x 1,5	11	16	38	1.251.3200.50
M 40 x 1,5	13	18	46	1.251.4000.50
M 50 x 1,5	13	18,5	56	1.251.5000.50

Metal Plugs

Material:

Nickel plated brass

Protection:

IP 54 (NEMA 2)

IP 65 (SD/Ms) (NEMA 4x)

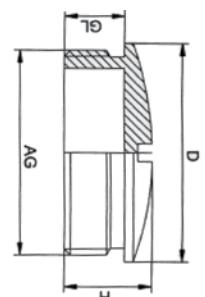
O-Ring:

NBR (SD/Ms)

Operating Temperature:

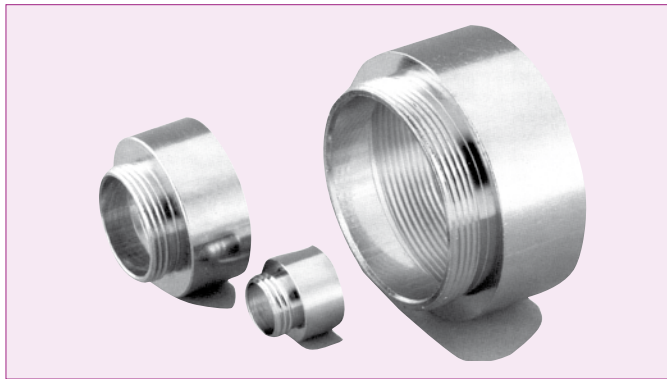
-40°C to 80° C (-40V F to 176° F)

*Type SD/MS with O-ring



AG	GL mm	H mm	D mm	Number
M 12 x 1,5	5	7,5	14	1.052.1200.50
M 16 x 1,5	5	8,0	18	1.052.1600.50
M 20 x 1,5	6	9,5	22	1.052.2000.50
M 25 x 1,5	7	11,0	28	1.052.2500.50
M 32 x 1,5	8	12,0	35	1.052.3200.50
M 40 x 1,5	10	13,0	44	1.052.4000.50
M 50 x 1,5	9	15,0	54	1.052.5000.50

Adaptors / Reducers



Adaptors / Reducers

Material: nickel plated brass

Adaptors Metric / PG

Part No	METR. outer thread	PG inner thread
94025	M 12 x 1,5	7
94026	M 12 x 1,5	9
94027	M 16 x 1,5	7
94028	M 16 x 1,5	9
94029	M 16 x 1,5	11
94030	M 16 x 1,5	13,5
94031	M 20 x 1,5	7
94032	M 20 x 1,5	9
94033	M 20 x 1,5	11
94034	M 20 x 1,5	13,5
94035	M 20 x 1,5	16
94036	M 25 x 1,5	7
94037	M 25 x 1,5	9
94038	M 25 x 1,5	11
94039	M 25 x 1,5	13,5
94040	M 25 x 1,5	16
94041	M 25 x 1,5	21
94042	M 32 x 1,5	9
94043	M 32 x 1,5	11
94044	M 32 x 1,5	13,5
94045	M 32 x 1,5	16
94046	M 32 x 1,5	21
94047	M 32 x 1,5	29
94048	M 40 x 1,5	11
94049	M 40 x 1,5	13,5
94050	M 40 x 1,5	16
94051	M 40 x 1,5	21
94052	M 40 x 1,5	29
94053	M 40 x 1,5	36
94054	M 50 x 1,5	16
94055	M 50 x 1,5	21
94056	M 50 x 1,5	29
94057	M 50 x 1,5	36
94058	M 50 x 1,5	42
94059	M 63 x 1,5	21
94060	M 63 x 1,5	29
94061	M 63 x 1,5	36
94062	M 63 x 1,5	42
94063	M 63 x 1,5	48

Adaptors PG / Metric

Part No	PG outer thread	METR. inner thread
94084	7	M 12 x 1,5
94085	7	M 16 x 1,5
94086	9	M 12 x 1,5
94087	9	M 16 x 1,5
94088	9	M 20 x 1,5
94089	11	M 12 x 1,5
94090	11	M 16 x 1,5
94091	11	M 20 x 1,5
94092	13	M 12 x 1,5
94093	13	M 16 x 1,5
94094	13	M 20 x 1,5
94095	13	M 25 x 1,5
94096	16	M 12 x 1,5
94097	16	M 16 x 1,5
94098	16	M 20 x 1,5
94099	16	M 25 x 1,5
94100	21	M 16 x 1,5
94101	21	M 20 x 1,5
94102	21	M 25 x 1,5
94103	21	M 32 x 1,5
94104	29	M 20 x 1,5
94105	29	M 25 x 1,5
94106	29	M 32 x 1,5
94107	29	M 40 x 1,5
94108	36	M 25 x 1,5
94109	36	M 32 x 1,5
94110	36	M 40 x 1,5
94111	36	M 50 x 1,5
94112	42	M 32 x 1,5
94113	42	M 40 x 1,5
94114	42	M 50 x 1,5
94115	42	M 63 x 1,5
94116	48	M 40 x 1,5
94117	48	M 50 x 1,5
94118	48	M 63 x 1,5

Enlargers / Reducers Metric / Metric

Part No	METR. outer thread	METR. inner thread
94064	M 12 x 1,5	M 16 x 1,5
94065	M 16 x 1,5	M 12 x 1,5
94066	M 16 x 1,5	M 20 x 1,5
94067	M 20 x 1,5	M 12 x 1,5
94068	M 20 x 1,5	M 16 x 1,5
94069	M 20 x 1,5	M 25 x 1,5
94070	M 25 x 1,5	M 16 x 1,5
94071	M 25 x 1,5	M 20 x 1,5
94072	M 25 x 1,5	M 32 x 1,5
94073	M 32 x 1,5	M 20 x 1,5
94074	M 32 x 1,5	M 25 x 1,5
94075	M 32 x 1,5	M 40 x 1,5
94076	M 40 x 1,5	M 25 x 1,5
94077	M 40 x 1,5	M 32 x 1,5
94078	M 40 x 1,5	M 50 x 1,5
94079	M 50 x 1,5	M 32 x 1,5
94080	M 50 x 1,5	M 40 x 1,5
94081	M 50 x 1,5	M 63 x 1,5
94082	M 63 x 1,5	M 40 x 1,5
94083	M 63 x 1,5	M 50 x 1,5