



# Housings

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## Specifications of „size 1” housings and short overview of installation possibilities for series A3, A4, A5, D7 and D8 inserts

### Plastic housings

Material:	Glass-fibre reinforced polyamide
Locking levers:	Polyamide
Flame class rating acc. to UL 94:	V 0
Housing seal:	NBR
Temperature range:	- 40 °C up to + 125 °C (depending on cable gland)
Protection degree acc. to DIN EN 60 529:	IP 65 (in locked condition)

### Metal housings

Material:	Zinc die casting
Surface:	Powder coated
Locking levers:	Zinc-plated steel
Housing seal:	NBR
Temperature range:	- 40 °C up to + 125 °C (depending on cable gland)
Protection degree acc. to DIN EN 60 529:	IP 65 (in locked condition)

**D7 - inserts are only suitable for plastic housings !**

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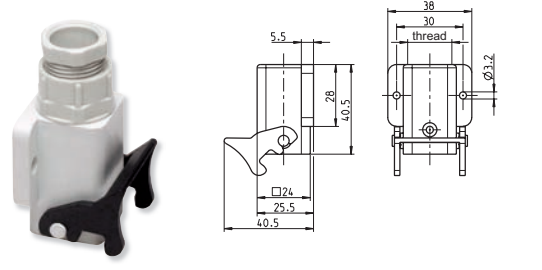
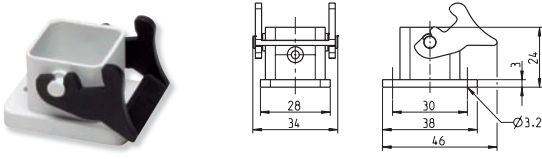
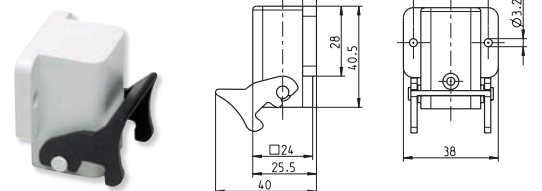
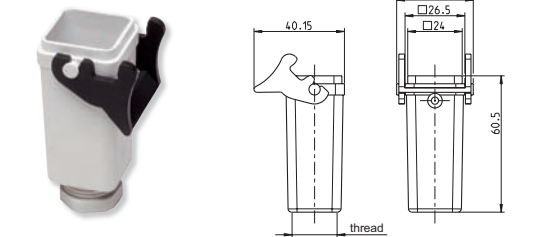
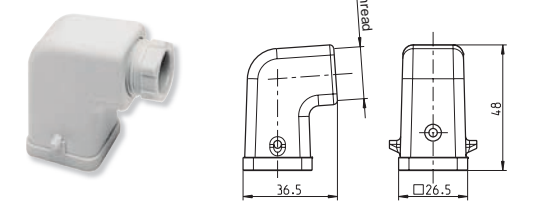
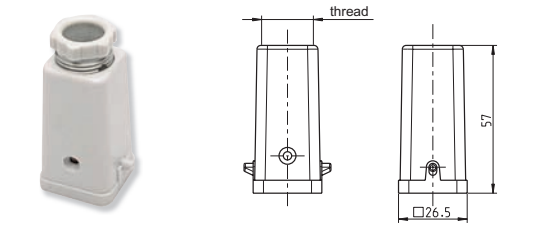
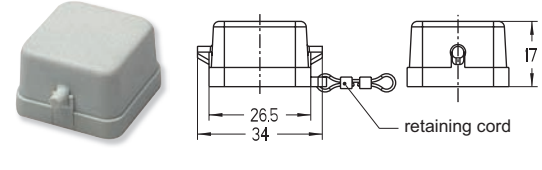
The housings shown on the following pages can be equipped with the inserts listed below:

	Screw terminal inserts		Crimp contact carriers	
<b>A3</b> 4 p. 14	Female insert, screw terminal,  Part no. 700 103	Male insert, screw terminal,  Part no. 700 203		
<b>A4</b> 4 p. 15	Female insert, screw terminal,  Part no. 700 104	Male insert, screw terminal,  Part no. 700 204		
<b>A5</b> 4 p. 15			Female insert  Part no. 700 105	Male insert  Part no. 700 205
<b>D7</b> 4 p. 40			Crimp contact carrier for sleeve contacts,  Part no. 720 307 <i>- only for plastic housings -</i>	Crimp contact carriers for pin contacts,  Part no. 720 407 <i>- only for plastic housings -</i>
<b>D8</b> 4 p. 41			Crimp contact carrier for sleeve contacts,  Part no. 720 308	Crimp contact carriers for pin contacts,  Part no. 720 408

4 The page reference at the left of the table guides you to the detailed overview of inserts.

### Contacts for crimp contact carriers of series ...

A 5: see page 15  
D 7: see page 40  
D 8: see page 41

Description	Previous part number	New part number	M	Housings for series A 3, A 4, A 5, D 7, D 8	
<b>Housings: plastic</b>					
<b>Wall mount housing, height 25.5 mm</b> with single locking system					
<i>light grey (RAL 7035)</i> <b>with threaded hole</b> with collar with cable gland  <i>black</i> <b>with threaded hole</b> with collar with cable gland	- / - 700 620 OV 700 620  - / - 700 671 OV 700 671	<b>T 700 620</b> T 700 620 MS T 700 620 MV  <b>T 700 671</b> T 700 671 MS T 700 671 MV	1 x M 20  Housings open at flange		10 20 25 29  20 25 29
<b>Panel housings, height 24 mm</b> with single locking system, straight					
<i>light grey (RAL 7035)</i>  <i>black</i>	<b>700 621</b>  700 672		Panel cut out 21x21 mm		10 18 18
<b>Panel housings, height 25.5 mm</b> with single locking system, angled					
<i>light grey (RAL 7035)</i>  <i>black</i>	<b>700 622</b>  700 673		Panel cut out 21x21 mm		10 23 23
<b>Coupler hoods, height 60.5 mm</b> with single locking system, top cable entry					
<i>light grey (RAL 7035)</i> <b>with collar</b> with cable gland  <i>black</i> <b>with collar</b> with cable gland	700 623 OV 700 623  700 674 OV 700 674	<b>T 700 623 MS</b> T 700 623 MV  <b>T 700 674 MS</b> T 700 674 MV	1 x M 20		10 23 27  23 27
<b>Hoods, height 48 mm</b> for single locking system, side cable entry					
<i>light grey (RAL 7035)</i> <b>with collar</b> with cable gland  <i>black</i> <b>with collar</b> with cable gland	700 624 OV 700 624  700 675 OV 700 675	<b>T 700 624 MS</b> T 700 624 MV  <b>T 700 675 MS</b> T 700 675 MV	1 x M 20		10 13 17  13 17
<b>Hoods, height 57 mm</b> for single locking system, top cable entry					
<i>light grey (RAL 7035)</i> <b>with collar</b> with cable gland  <i>black</i> <b>with collar</b> with cable gland	700 625 OV 700 625  700 676 OV 700 676	<b>T 700 625 MS</b> T 700 625 MV  <b>T 700 676 MS</b> T 700 676 MV	1 x M 20		10 18 22  18 22
<b>Protective covers: plastic</b>					
<b>Protective covers with retaining cord</b> for housings with single locking system, light grey (RAL 7035)					
for housings with: female insert male insert	<b>700 631 MD</b> <b>700 631</b>				10 5 5



## Housings for series A 3, A 4, A 5, D 8

Description	Previous part number	New part number			
<b>Housings: zinc die casting</b>					
<b>Wall mount housing, height 25.5 mm</b> with single locking system					
with open bottom with threaded hole with collar with cable gland	- / - 701 403 OV 701 403	<b>T 701 403</b> T 701 403 MS T 701 403 MV	1 x M 20		10 57 72 85
with closed bottom with threaded hole with collar with cable gland	- / - 701 003 OV 701 003	<b>T 701 003</b> T 701 003 MS T 701 003 MV	1 x M 20		64 79 92
<b>Panel housings, height 24 mm</b> with single locking system, straight					
Panel cut out 21 x 21 mm	<b>704 303</b>				10 22
Panel housing, height 24 mm with single locking system, straight	<b>704 403</b>				10 27
only for female insert, with hinged cover	<b>704 403</b>				27
only for male insert, with hinged cover, without gasket	<b>704 403 OD</b>	Panel cut out 21 x 21 mm			27
<b>Panel housings, height 25.5 mm</b> with single locking system, angled					
Panel cut out 21 x 21 mm	<b>704 503</b>				10 67
<b>Coupler hoods, height 60.5 mm</b> with single locking system, top cable entry					
with collar with cable gland	703 803 OV 703 803	<b>T 703 803 MS</b> T 703 803 MV	1 x M 20		10 80 92.5
<b>Hoods, height 48 mm</b> for single locking system, side cable entry					
with collar with cable gland	702 603 OV 702 603	<b>T 702 603 MS</b> T 702 603 MV	1 x M 20		10 56 68.5
<b>Hoods, height 57 mm</b> for single locking system, top cable entry					
with collar with cable gland	702 803 OV 702 803	<b>T 702 803 MS</b> T 702 803 MV	1 x M 20		10 63 75.5

## A 3 Connectors with Insulation Displacement Connection

The convenience of insulation displacement connection can now be utilized with a classic square connector – a 4 pole (3 + PE) industrial plug connector, series A.

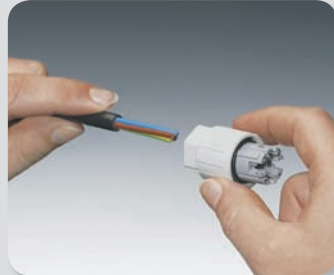
Male and female versions are available in hood and coupler hoods made of plastic.



Thanks to insulation displacement connection it now only takes a few seconds to connect the 4-pole round conductor – Only the sleeve nut has to be slid onto the conductor – since splicing ring, seal and strain relief are included in the sleeve nut.

### Assembly

Slide the sleeve nut of the insulation displacement connection onto the stripped conductor.



Screw the sleeve nut onto the plug connector – and the round conductor connection is ready.



Lead the cores into the marked core entries and cut off the projecting core ends flush, i.e. so that there is no overhang.



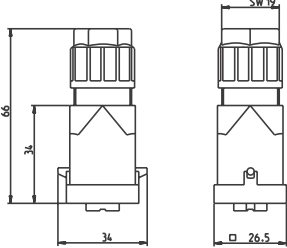

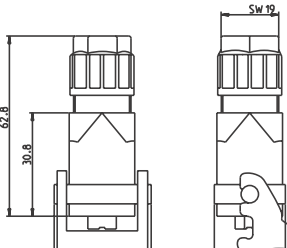

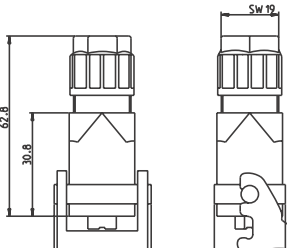

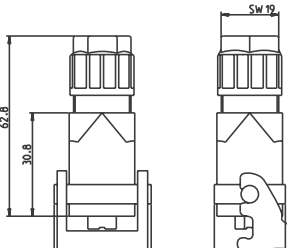


If you need to undo the connection, then just unscrew the sleeve nut.



### IDC technique is tested on the basis of:

- **EN 60 352-4:** Solder-free and inaccessible IDC terminal blocks
- **EN 50 262:** Entries for cables and conductors
- **DIN EN 60 998-2-3:** Equipment for IDC terminal points
- **DIN VDE 0627:** Connectors and plug-in socket devices

Description	Part no.	M	Series A 3 connectors with insulation displacement connection	
<b>A 3 connectors with insulation displacement connection</b>				
<b>Hoods with female insert</b> Height 66 mm for single locking system	<b>700 724</b>		 	<b>10</b> 25
<b>Hoods with male insert</b> Height 66 mm for single locking system	<b>700 725</b>		 	<b>10</b> 25
<b>Coupler hood with female insert</b> Height 63 mm with single locking system	<b>700 726</b>		 	<b>10</b> 28
<b>Coupler hood with male insert</b> Height 63 mm with single locking system	<b>700 727</b>		 	<b>10</b> 28