

Contents	Page
D-Sub adapter	Han 80.2
Locking levers.....	Han 80.8
Seals.....	Han 80.10
Han® Hood Link.....	Han 80.12
Panel feed through housings.....	Han 80.13
Accessories for flat cable entry.....	Han 80.19
Cable glands.....	Han 80.20
Shielding frame.....	Han 80.26
Grip frames.....	Han 80.29
Coding of inserts in hoods/housings.....	Han 80.33
Han® docking frame	Han 80.38
PE Multiple ground connection.....	Han 80.40
Strain relief clamp.....	Han 80.41
Special insert fixing screws	Han 80.42
Screws.....	Han 80.43
Bearing pedestal and covers	Han 80.46
Further accessories	Han 80.47

Accessories


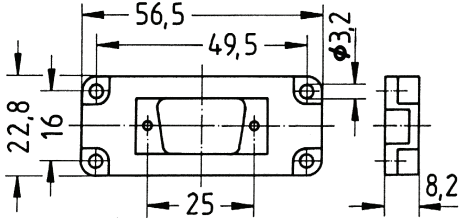

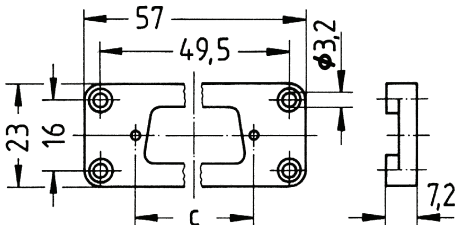




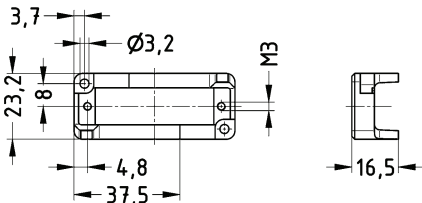
Technical characteristics

Material (accessories) Thermoplastic, Metal compliant
RoHS

Details

Not suitable for D-Sub High Density!

Identification	Part number	Drawing (dimensions in mm)
<p>D-Sub 1, Adapter plate, for 1 x D-Sub, Pack contents: 1 adapter, 4 fixing screws for adapter, 2 fixing screws for D-Sub connector</p> 	09 20 000 9932	 <p>D-Sub 1</p>
<p>D-Sub 2, Adapter plate, for 1 x D-Sub, Pack contents: 1 adapter, 4 fixing screws for adapter, 2 fixing screws for D-Sub connector</p> 	09 20 000 9928	 <p>D-Sub 2 c= 33.3 mm D-Sub 3 c= 47 mm</p>
<p>D-Sub 3, Adapter plate, for 1 x D-Sub, Pack contents: 1 adapter, 4 fixing screws for adapter, 2 fixing screws for D-Sub connector</p> 	09 20 000 9929	

Identification	Part number	Drawing (dimensions in mm)
<p>D-Sub 3 in the Han® 10 A, D-Sub 4 in the Han® 16 A, Adapter plate, for 1 x D-Sub, Metal,</p> <p>Pack contents: Two-piece adapter, 2 fixing screws for adapter, 2 fixing screws for D-Sub connector</p> 	09 20 000 9925	

Accesso-
ries



Accessories


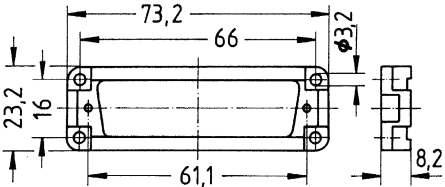

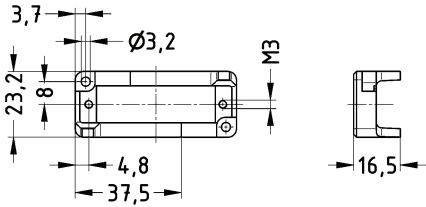


Technical characteristics

Material (accessories) Thermoplastic, Metal
RoHS compliant

Details

Not suitable for D-Sub High Density!

Identification	Part number	Drawing (dimensions in mm)
<p>D-Sub 5, Adapter plate, for 1 x D-Sub, Pack contents: 1 adapter, 4 fixing screws for adapter, 2 fixing screws for D-Sub connector</p> 	09 20 000 9931	
<p>D-Sub 3 in the Han® 10 A, D-Sub 4 in the Han® 16 A, Adapter plate, for 1 x D-Sub, Metal, Pack contents: Two-piece adapter, 2 fixing screws for adapter, 2 fixing screws for D-Sub connector</p> 	09 20 000 9925	



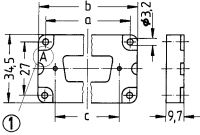
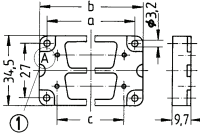

Accessories

Technical characteristics

Material (accessories) Thermoplastic compliant
RoHS

Details

Not suitable for D-Sub High Density!

Identification	Part number	Drawing (dimensions in mm)
D-Sub 1, Adapter plate, for 1 x D-Sub, Pack contents: 1 adapter, 4 fixing screws for adapter, 2 fixing screws for D-Sub connector	09 30 000 9965	 ① Mounting in housing: character A visible ② Mounting in hood: character T visible D-Sub 1: a=44; b=51.5; c=25 D-Sub 2: a=44; b=51.5; c=33.3
D-Sub 2, Adapter plate, for 1 x D-Sub, Pack contents: 1 adapter, 4 fixing screws for adapter, 2 fixing screws for D-Sub connector	09 30 000 9966	
D-Sub 1, Adapter plate, for 2x D-Sub, Pack contents: 1 adapter, 4 fixing screws for adapter, 4 fixing screws for D-Sub connector	09 30 000 9970	 ① Mounting in housing: character A visible ② Mounting in hood: character T visible D-Sub 2x 1: a=44; b=51.5; c=25 D-Sub 2x 2: a=44; b=51.5; c=33.3
 D-Sub 2, Adapter plate, for 2x D-Sub, Pack contents: 1 adapter, 4 fixing screws for adapter, 4 fixing screws for D-Sub connector	09 30 000 9971	



Accessories



Technical characteristics

Material (accessories) Thermoplastic
RoHS compliant

Details

Not suitable for D-Sub High Density!

Identification	Part number	Drawing (dimensions in mm)
<p>D-Sub 3, Adapter plate, for 1 x D-Sub, Pack contents: 1 adapter, 4 fixing screws for adapter, 2 fixing screws for D-Sub connector</p>	09 30 000 9967	<p>① Mounting in housing: character A visible ② Mounting in hood: character T visible D-Sub 3: a=57; b=64.5; c=47</p>
<p>D-Sub 3, Adapter plate, for 2x D-Sub, Pack contents: 1 adapter, 4 fixing screws for adapter, 4 fixing screws for D-Sub connector</p>	09 30 000 9972	<p>① Mounting in housing: character A visible ② Mounting in hood: character T visible D-Sub 2x 3: a=57; b=64.5; c=47</p>



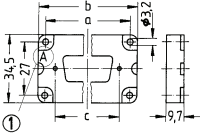
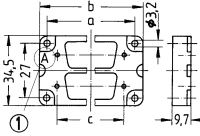
Accessories

Technical characteristics

Material (accessories) Thermoplastic compliant
RoHS

Details

Not suitable for D-Sub High Density!

Identification	Part number	Drawing (dimensions in mm)
D-Sub 4, Adapter plate, for 1 x D-Sub, Pack contents: 1 adapter, 4 fixing screws for adapter, 2 fixing screws for D-Sub connector	09 30 000 9968	 ① Mounting in housing: character A visible ② Mounting in hood: character T visible D-Sub 4: a=77.5; b=85; c=63.5 D-Sub 5: a=77.5; b=85; c=61.1
D-Sub 5, Adapter plate, for 1 x D-Sub, Pack contents: 1 adapter, 4 fixing screws for adapter, 2 fixing screws for D-Sub connector	09 30 000 9969	
D-Sub 4, Adapter plate, for 2x D-Sub, Pack contents: 1 adapter, 4 fixing screws for adapter, 4 fixing screws for D-Sub connector	09 30 000 9973	 ① Mounting in housing: character A visible ② Mounting in hood: character T visible D-Sub 2x 4: a=77.5; b=85; c=63.5 D-Sub 2x 5: a=77.5; b=85; c=61.1
D-Sub 5, Adapter plate, for 2x D-Sub, Pack contents: 1 adapter, 4 fixing screws for adapter, 4 fixing screws for D-Sub connector	09 30 000 9974	



Double locking lever

Accessories

Technical characteristics

Material (accessories)	Polycarbonate (PC), Stainless steel
Colour (accessories)	RAL 7037 (dust grey)

Technical characteristics

Material flammability class acc. to UL 94 (locking levers)	V-0
RoHS	compliant

Identification	Size	Part number	Drawing (dimensions in mm)
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Han A®,
Han-Easy Lock®,
Locking levers,
RAL 7037 (dust grey)



32 A

09 00 000 5223

Han® B,
Han-Easy Lock®,
Locking levers,
RAL 7037 (dust grey)



10/16/24 B
32 B

09 00 000 5221
09 00 000 5231

Single locking lever

Accessories

Technical characteristics

Material (accessories)	Thermoplastic, Polycarbonate (PC), Stainless steel
Colour (accessories)	RAL 7032 (pebble grey), Black, RAL 7037 (dust grey)

Technical characteristics

Material flammability class acc. to UL 94 (locking levers)	V-0
RoHS	compliant

Identification	Size	Part number	Drawing (dimensions in mm)
Locking levers, RAL 7032 (pebble grey)	3 A	09 00 000 5241	
Locking levers, Black	3 A	09 00 000 5242	
Locking levers, Han® Q 8/0, Black	Han-Compact®	09 00 000 5244	
Han A®, Han-Easy Lock®, Locking levers, RAL 7037 (dust grey)	10 A 16 A	09 00 000 5224 09 00 000 5225	
Han® B, Han-Easy Lock®, Locking levers, RAL 7037 (dust grey)	06 B 10 B 16 B 24 B	09 00 000 5222 09 00 000 5228 09 00 000 5229 09 00 000 5230	









Technical characteristics

Technical characteristics

Material (seal) NBR, FPM
 Colour (seal) Black, Light grey

RoHS compliant with exemption, compliant

Identification	Size	Part number	Drawing (dimensions in mm)
Han A®, Flange gasket	03 A 10 A 16 A 32 A	09 20 000 9991 09 20 000 9992 09 20 000 9993 09 20 000 9994	
 Han® B, Flange gasket	06 B 10 B 16 B 24 B	09 30 000 9991 09 30 000 9992 09 30 000 9993 09 30 000 9994	
 Han® B, Flange gasket, Self-retaining	06 B 10 B 16 B 24 B	09 30 000 9801 09 30 000 9802 09 30 000 9803 09 30 000 9804	
 Flange gasket	48 HPR Han-Drive® Modular Compact	09 30 000 9996 09 30 000 9903 09 14 000 9940	
 Flange gasket, Han® HPR	03 HPR 06 HPR 10 HPR 16 HPR 24 HPR	09 40 000 9980 09 40 000 9801 09 40 000 9802 09 40 000 9803 09 40 000 9804	
 Han A®, Flange gasket, FPM	3 A	09 37 000 9912	
 Han® M, Flange gasket, FPM	06 B 10 B 16 B 24 B	09 37 000 9946 09 37 000 9947 09 37 000 9948 09 37 000 9949	

Technical characteristics

Material (seal) NBR, FPM

Technical characteristics

Colour (seal) Black, RAL 7001 (silver-grey)
RoHS compliant

Identification	Size	Part number	Drawing (dimensions in mm)
Han A®, Profile gasket	03 A	09 70 000 9991	
	10 A	09 20 000 9996	
	16 A	09 20 000 9997	
Han® B, Profile gasket			
	06 B	09 30 000 9941	
	10 B	09 30 000 9942	
	16 B	09 30 000 9943	
	24 B	09 30 000 9944	
	32 B	09 30 000 9963	
	48 B	09 30 000 9995	
Han® HPR, O-ring rubber seal			
	03 HPR	09 40 000 9910	
	06 HPR	09 40 000 9911	
	10 HPR	09 40 000 9912	
	16 HPR	09 40 000 9913	
	24 HPR	09 40 000 9914	
L-seal			
	06 B	09 30 000 9936	
	10 B	09 30 000 9935	
	16 B	09 30 000 9934	
	24 B	09 30 000 9933	
Profile gasket, FPM			
	03 A	09 21 000 9906	
	06 B	09 30 000 9951	
	10 B	09 30 000 9952	
	16 B	09 30 000 9953	
	24 B	09 30 000 9954	



Accesso-
ries

Features

- Cable to cable connection simple to realise and easy to mount
- Resistant elastomer
- Locking as well as seal combined in one system
- for two lever locking system

Technical characteristics

Limiting temperature	-40 ... +85 °C
Degree of protection acc. to IEC 60529	IP65, locked condition
Colour (hood/housing)	Black
RoHS	compliant

Identification

Part number

Drawing
(dimensions in mm)

Locking element,
for hoods,
IP65 locked condition

09 30 016 9901



Standard hoods/housings for industrial connectors
Double locking lever



Accessories

Features


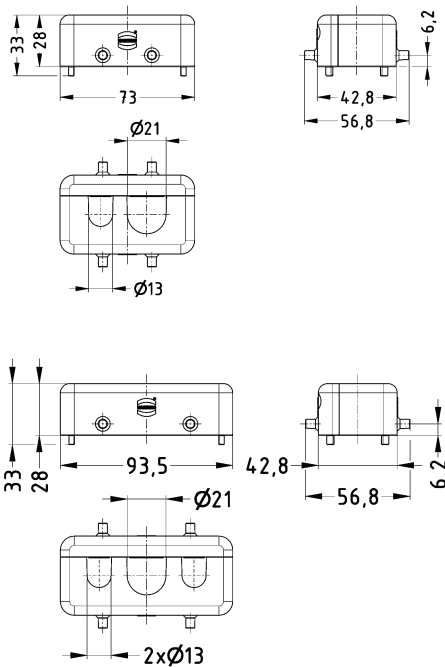
- Allows the entry of pre-assembled cables into a switch cabinet
- Robust design
- High pole cable entry seals for up to 10 different cables
- For sealing and feed through of pre-assembled cables

Technical characteristics


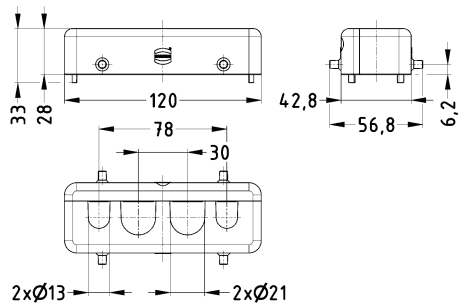
Limiting temperature	-40 ... +125 °C
Degree of protection acc. to IEC 60529	IP65
Material (hood/housing)	Aluminium die-cast
Material (seal)	NBR
RoHS	compliant

Specifications and approvals



Identification	Cable entry	Size	Part number High construction	Drawing (dimensions in mm)
<p>Han® B, Panel feed through housing, Top entry, IP65</p> <p>Pack contents: 2 split hood halves, 2x M4 screw</p>  <p>Please order cable entry seals separately.</p>	<p>2x 3x</p>	<p>10 B 16 B</p>	<p>09 30 010 0498 09 30 016 0498</p>	

Accessories


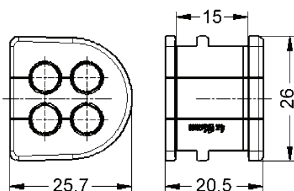

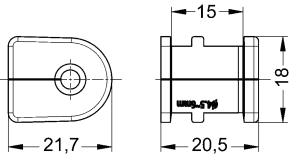

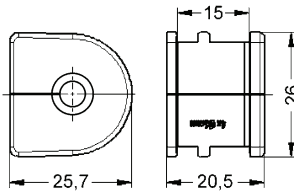

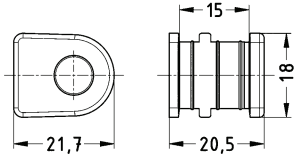

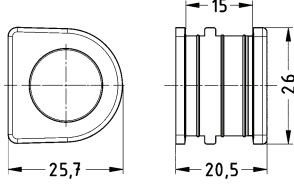
Identification	Cable entry	Size	Part number High construction	Drawing (dimensions in mm)
<p>Han® B, Panel feed through housing, Top entry, IP65</p> <p>Pack contents: 2 split hood halves, 3x M4 screw</p>  <p>Please order cable entry seals separately.</p>	4x	24 B	09 30 024 0498	

Technical characteristics

Material (accessories) NBR

Technical characteristics

Colour (accessories) Black
RoHS compliant

Identification	Clamping range (mm)	Part number	Drawing (dimensions in mm)
<p>Cable entry seal, 4 cable entries, Wide version</p> 	... 6	09 00 000 6004	
<p>Cable entry seal, 1 cable entry, Narrow version</p> 	4.5 ... 6 6 ... 7.5 7.5 ... 9	09 00 000 6005 09 00 000 6006 09 00 000 6007	
<p>Cable entry seal, 1 cable entry, Wide version</p> 	9 ... 10.5 10.5 ... 12 12 ... 13.5 13.5 ... 15 15 ... 16	09 00 000 6008 09 00 000 6009 09 00 000 6010 09 00 000 6011 09 00 000 6012	
<p>Dummy plugs, Narrow version</p> 		09 00 000 6101	
<p>Dummy plugs, Wide version</p> 		09 00 000 6102	

Standard hoods/housings for industrial connectors
Double locking lever

Accessories



Features

- Allows the entry of pre-assembled cables into a switch cabinet
- Use of identification strips is possible
- No special tools required
- Standard screw driver (5 x 1 mm) necessary to open split hood
- IP54 due to continuous contoured seal


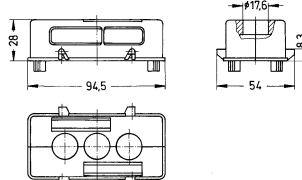
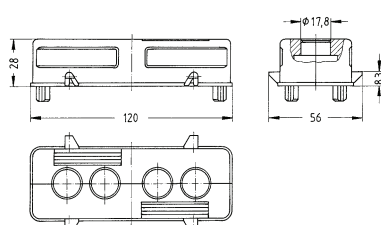
Technical characteristics


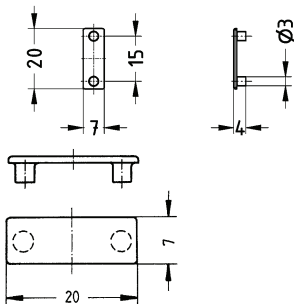
Limiting temperature	-40 ... +125 °C
Degree of protection acc. to IEC 60529	IP65
Type rating acc. to UL 50 / UL 50E	4, 4X, 12
Material (hood/housing)	Polycarbonate (PC)
Colour (hood/housing)	RAL 7037 (dust grey)
RoHS	compliant

Specifications and approvals

UL 1977 ECBT2.E235076
CSA-C22.2 No. 182.3 ECBT8.E235076



Identification	Cable entry	Cable diameter (mm)	Size	Part number	Drawing (dimensions in mm)
Han® B, Panel feed through housing, Top entry, IP65 Pack contents: 2 split hood halves  Please order cable entry seals separately. IP54 when mounted vertically	3x Integrated 4x Integrated	17.6 17.8	16 B 24 B	09 30 016 0408 09 30 024 0408	 09 30 016 0301 Han® 16 B See chapter Han 31  09 30 024 0301 Han® 24 B See chapter Han 31

Identification	Cable entry	Cable diameter (mm)	Size	Part number	Drawing (dimensions in mm)
Han-Snap®, Identification strip 				09 33 000 9981	

Accessories

Technical characteristics

Material (accessories) Thermoplastic, NBR

Technical characteristics

Colour (accessories) Black
RoHS compliant

Identification	Clamping range (mm)	Part number	Drawing (dimensions in mm)
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Cable entry seal



3 ... 4
4 ... 5
5 ... 6
6 ... 7
7 ... 8
8 ... 9
9 ... 10

09 00 000 5351
09 00 000 5352
09 00 000 5353
09 00 000 5354
09 00 000 5355
09 00 000 5356
09 00 000 5357

Cable entry seal,
Additional strain relief can be provided by
cable ties (max. width 8 mm)



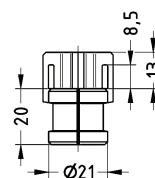
10 ... 11
11 ... 12
12 ... 13
13 ... 14
14 ... 15
15 ... 16

09 00 000 5358
09 00 000 5359
09 00 000 5360
09 00 000 5361
09 00 000 5362
09 00 000 5363

Cable entry seal,
for ASI cable



09 00 000 5364

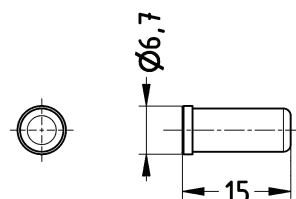
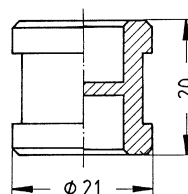


Dummy plugs



4.5 ... 6

09 00 000 5350
09 00 000 6103


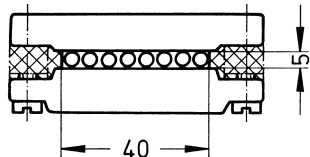

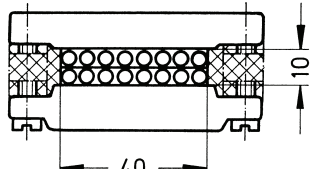

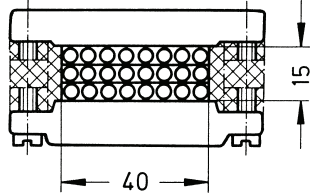

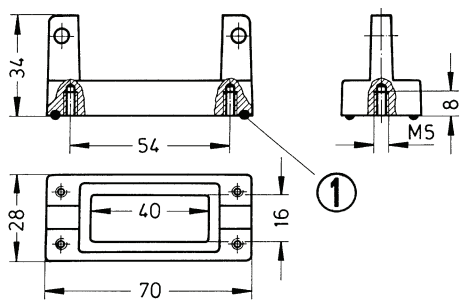


Technical characteristics

Material (seal) NBR

Technical characteristics

Colour (seal) Black
RoHS compliant

Identification	Part number	Drawing (dimensions in mm)
<p>Set of seals for ribbon cable entry, With strain relief clamp, for 1 flat cable</p> 	09 00 000 5315	
<p>Set of seals for ribbon cable entry, With strain relief clamp, for 2 flat cables</p> 	09 00 000 5316	
<p>Set of seals for ribbon cable entry, With strain relief clamp, for 3 flat cables</p> 	09 00 000 5317	
<p>Holder for ribbon cable entry, for separate mounting</p> 	09 00 000 5325	 <p>① O-Ring seal</p>

Technical characteristics

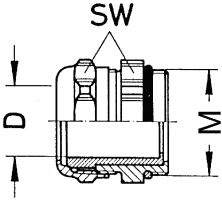


Limiting temperature	-40 ... +100 °C
Degree of protection acc. to IEC 60529	IP68, IP69 / IPX9K acc. to ISO 20653
Material (seal)	NBR
Material (cable glands)	Polyamide (PA)
Colour (accessories)	RAL 5012 (light blue), RAL 9005 (jet black), RAL 7032 (pebble grey), RAL 7035 (light grey)

Technical characteristics

Material flammability class acc. to UL 94	V-0
RoHS	compliant

Specifications and approvals

DNV GL
UL 514B QCRV.E479780
CSA-C22.2 No. 18.3 QCRV7.E479780

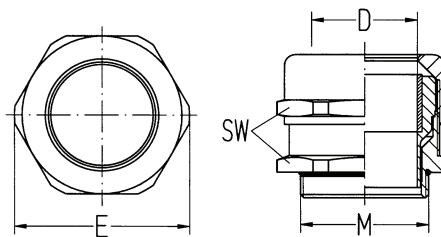
Identification	Size	Clamping range (mm)	Part number	Drawing (dimensions in mm)																																								
Han® CGM-Ex i, Cable gland, Intrinsically safe electric circuits, Blue, IP68, IP69 / IPX9K acc. to ISO 20653	M20	5 ... 9	19 00 000 7101																																									
	M20	6 ... 12	19 00 000 7102																																									
	M25	9 ... 16	19 00 000 7104																																									
	M32	13 ... 20	19 00 000 7106																																									
	M40	22 ... 32	19 00 000 7109																																									
 Han® CGM-P, Cable gland, Grey, IP68, IP69 / IPX9K acc. to ISO 20653	M20	5 ... 9	19 00 000 5180	<table><tr><th>Clamping range Ø</th><th>SW</th><th>E</th><th>Nm</th></tr><tr><td>5 ... 9 mm</td><td>24</td><td>26.4</td><td>4.5</td></tr><tr><td>6 ... 12 mm</td><td>24</td><td>26.4</td><td>4.5</td></tr><tr><td>10 ... 14 mm</td><td>27</td><td>29.8</td><td>4.5</td></tr><tr><td>9 ... 16 mm</td><td>33</td><td>33.5</td><td>5</td></tr><tr><td>13 ... 18 mm</td><td>33</td><td>36.5</td><td>5</td></tr><tr><td>13 ... 20 mm</td><td>42</td><td>46.8</td><td>6.5</td></tr><tr><td>18 ... 25 mm</td><td>42</td><td>46.8</td><td>6.5</td></tr><tr><td>20 ... 26 mm</td><td>53</td><td>58.8</td><td>10</td></tr><tr><td>22 ... 32 mm</td><td>53</td><td>58.8</td><td>10</td></tr></table>	Clamping range Ø	SW	E	Nm	5 ... 9 mm	24	26.4	4.5	6 ... 12 mm	24	26.4	4.5	10 ... 14 mm	27	29.8	4.5	9 ... 16 mm	33	33.5	5	13 ... 18 mm	33	36.5	5	13 ... 20 mm	42	46.8	6.5	18 ... 25 mm	42	46.8	6.5	20 ... 26 mm	53	58.8	10	22 ... 32 mm	53	58.8	10
	Clamping range Ø	SW	E		Nm																																							
	5 ... 9 mm	24	26.4		4.5																																							
	6 ... 12 mm	24	26.4		4.5																																							
	10 ... 14 mm	27	29.8		4.5																																							
	9 ... 16 mm	33	33.5		5																																							
	13 ... 18 mm	33	36.5		5																																							
	13 ... 20 mm	42	46.8		6.5																																							
	18 ... 25 mm	42	46.8		6.5																																							
20 ... 26 mm	53	58.8	10																																									
22 ... 32 mm	53	58.8	10																																									
M20	6 ... 12	19 00 000 5182																																										
M20	10 ... 14	19 00 000 5184																																										
M25	9 ... 16	19 00 000 5190																																										
M25	13 ... 18	19 00 000 5192																																										
M32	13 ... 18	19 00 000 5194																																										
M32	18 ... 25	19 00 000 5196																																										
M40	20 ... 26	19 00 000 5197																																										
M40	22 ... 32	19 00 000 5198																																										
 Han® CGM-P, Cable gland, Black, IP68, IP69 / IPX9K acc. to ISO 20653	M20	5 ... 9	19 00 000 5181																																									
	M20	6 ... 12	19 00 000 5183																																									
	M20	10 ... 14	19 00 000 5185																																									
	M25	9 ... 16	19 00 000 5191																																									
	M25	13 ... 18	19 00 000 5193																																									
	M32	13 ... 20	19 00 000 5186																																									
	M32	18 ... 25	19 00 000 5187																																									
	M40	20 ... 26	19 00 000 5188																																									
	M40	22 ... 32	19 00 000 5189																																									

Technical characteristics

Limiting temperature	-40 ... +100 °C
Degree of protection acc. to IEC 60529	IP68, IP69 / IPX9K acc. to ISO 20653
Material (seal)	NBR, EPDM
Material (cable glands)	Brass
Material (clamping ring)	Polyamide (PA)
Surface (accessories)	Nickel plated
RoHS	compliant with exemption

Specifications and approvals

UL 514B QCRV.E479780
CSA-C22.2 No. 18.3 QCRV7.E479780
DNV GL

Identification	Size	Clamping range (mm)	Part number	Drawing (dimensions in mm)																																																												
Han® CGM-M, Cable gland, IP68, IP69 / IPX9K acc. to ISO 20653	M20	5 ... 9	19 00 000 5080																																																													
	M20	5 ... 12	19 00 000 5081																																																													
	M20	6 ... 12	19 00 000 5082																																																													
	M20	10 ... 14	19 00 000 5084																																																													
	M25	9 ... 16	19 00 000 5090																																																													
	M25	9 ... 18	19 00 000 5091																																																													
	M25	13 ... 18	19 00 000 5092																																																													
	M32	13 ... 20	19 00 000 5094																																																													
	M32	13 ... 25	19 00 000 5095																																																													
	M32	18 ... 25	19 00 000 5096																																																													
	M40	20 ... 26	19 00 000 5097																																																													
	M40	20 ... 32	19 00 000 5099																																																													
	M40	22 ... 32	19 00 000 5098																																																													
	M50	32 ... 38	19 00 000 5086																																																													
				<table><tr><th>Outer cable Ø</th><th>SW</th><th>E</th><th>Nm</th></tr><tr><td>5 ... 9 mm</td><td>22</td><td>24.4</td><td>10</td></tr><tr><td>5 ... 12 mm</td><td>22</td><td>24.4</td><td>10</td></tr><tr><td>6 ... 12 mm</td><td>22</td><td>24.4</td><td>10</td></tr><tr><td>10 ... 14 mm</td><td>24</td><td>26.4</td><td>10</td></tr><tr><td>9 ... 16 mm</td><td>30</td><td>33.5</td><td>12</td></tr><tr><td>9 ... 18 mm</td><td>30</td><td>33.5</td><td>12</td></tr><tr><td>13 ... 18 mm</td><td>30</td><td>33.5</td><td>12</td></tr><tr><td>13 ... 20 mm</td><td>40</td><td>44</td><td>15</td></tr><tr><td>13 ... 25 mm</td><td>40</td><td>44</td><td>15</td></tr><tr><td>18 ... 25 mm</td><td>40</td><td>44</td><td>15</td></tr><tr><td>20 ... 26 mm</td><td>50</td><td>55</td><td>15</td></tr><tr><td>22 ... 32 mm</td><td>50</td><td>55</td><td>15</td></tr><tr><td>20 ... 32 mm</td><td>50</td><td>55</td><td>15</td></tr><tr><td>32 ... 38 mm</td><td>57</td><td>60</td><td>24</td></tr></table>	Outer cable Ø	SW	E	Nm	5 ... 9 mm	22	24.4	10	5 ... 12 mm	22	24.4	10	6 ... 12 mm	22	24.4	10	10 ... 14 mm	24	26.4	10	9 ... 16 mm	30	33.5	12	9 ... 18 mm	30	33.5	12	13 ... 18 mm	30	33.5	12	13 ... 20 mm	40	44	15	13 ... 25 mm	40	44	15	18 ... 25 mm	40	44	15	20 ... 26 mm	50	55	15	22 ... 32 mm	50	55	15	20 ... 32 mm	50	55	15	32 ... 38 mm	57	60	24
Outer cable Ø	SW	E	Nm																																																													
5 ... 9 mm	22	24.4	10																																																													
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9 ... 18 mm	30	33.5	12																																																													
13 ... 18 mm	30	33.5	12																																																													
13 ... 20 mm	40	44	15																																																													
13 ... 25 mm	40	44	15																																																													
18 ... 25 mm	40	44	15																																																													
20 ... 26 mm	50	55	15																																																													
22 ... 32 mm	50	55	15																																																													
20 ... 32 mm	50	55	15																																																													
32 ... 38 mm	57	60	24																																																													

Accessories

Identification	Size	Clamping range (mm)	Part number	Drawing (dimensions in mm)
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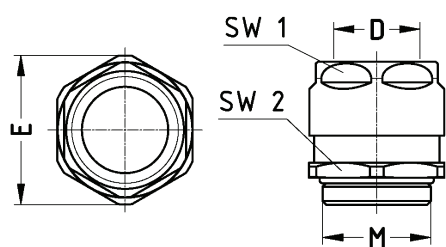
Han® CGM-M-Rail,
Cable gland,
Railway version,
IP68



M20
M20
M25
M25
M32
M32
M40
M40

7 ... 10
10 ... 14
11 ... 14.5
14.5 ... 18
16 ... 20.5
20.5 ... 25
21 ... 26.5
26.5 ... 32

19 00 000 7120
19 00 000 7121
19 00 000 7122
19 00 000 7123
19 00 000 7124
19 00 000 7125
19 00 000 7126
19 00 000 7127



Outer cable ø	SW	E	Nm
7 ... 10 mm	22/24	26.4	6
10 ... 14 mm	22/24	26.4	6
11 ... 14.5 mm	27/30	32.8	7
14.5 ... 18 mm	27/30	32.8	7
16 ... 20.5 mm	36/40	43.9	8
20.5 ... 35 mm	36/40	43.9	8
21 ... 26.5 mm	46/50	54.9	8
26.5 ... 32 mm	46/50	54.9	8



Technical characteristics

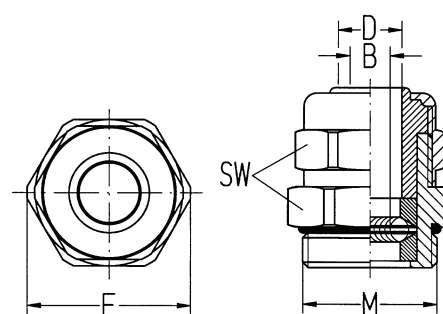
Degree of protection acc. to IEC IP68
60529

Technical characteristics

Material (cable glands)
RoHS

Metal
compliant with exemption

Identification	Size	Clamping range (mm)	Part number	Drawing (dimensions in mm)			
Cable gland, EMC version, IP68	M20	4 ... 6.5	19 62 000 5081	Outer cable Ø	SW	E	Shielding Ø B
	M20	6.5 ... 9.5	19 62 000 5080	6.5 ... 9.5	22	24.4	3.5 ... 8.5
	M20	7 ... 10.5	19 62 000 5082	4 ... 6.5	22	24.4	2.5 ... 6.5
	M20	9 ... 13	19 62 000 5084	7 ... 10.5	22	24.4	6.5 ... 10.5
	M25	6.5 ... 9.5	19 62 000 5090	9 ... 13	22	24.4	6.5 ... 10.5
	M25	9 ... 13	19 62 000 5092	6.5 ... 9.5	22	31.2	3 ... 8
	M32	11.5 ... 15.5	19 62 000 5094	9 ... 13	28	31.2	4.8 ... 8
	M32	14 ... 18	19 62 000 5096	11.5 ... 15.5	35	38.5	8 ... 13.5
	M40	17 ... 20.5	19 62 000 5097	14 ... 18	35	38.5	9 ... 14.5
	M40	20 ... 25	19 62 000 5098	17 ... 20.5	43	47.3	15 ... 20
				20 ... 25	43	47.3	15 ... 20


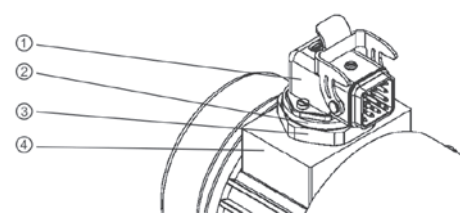
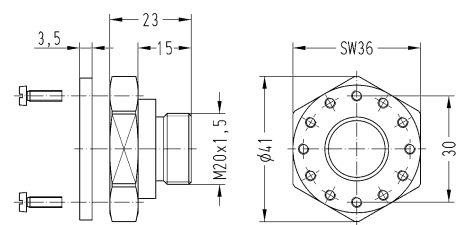


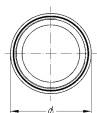




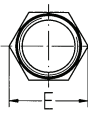
Technical characteristics

Material (accessories) Thermoplastic, Metal
 Colour (accessories) Black

Technical characteristics

RoHS compliant with exemption, compliant

Identification	Size	Reduced size	Part number	Drawing (dimensions in mm)
Han A®, Adapter, for motor connection 	M20		19 20 000 9962	 <p>① Han® 3 A ② Seal ③ Adapter Han® 3 A ④ Housing for motor application</p> 
Dummy plugs 	M32 M40		19 00 000 5172 19 00 000 5173	  <p>M32: Ø 35 mm M40: Ø 46.2 mm</p>
Reduced size 	M20 M32 M32	M16 M20 M25	19 00 000 5060 19 00 000 5067 19 00 000 5068	

Identification	Size	Reduced size	Part number	Drawing (dimensions in mm)
Reduced size, With O-ring	M32 M32	M20 M25	19 00 000 5066 19 00 000 5069	
Dummy plugs, With O-ring	M20 M25 M32 M40		19 00 000 5070 19 00 000 5071 19 00 000 5072 19 00 000 5073	  <p> M20: SW 22; E 25.4 M25: SW 28; E 32.3 M32: SW 35; E 40.4 M40: SW 44; E 50.8 </p>

Technical characteristics

Technical characteristics

Material (accessories) Steel, zinc plated

RoHS compliant

Identification	Size	Part number	Drawing (dimensions in mm)
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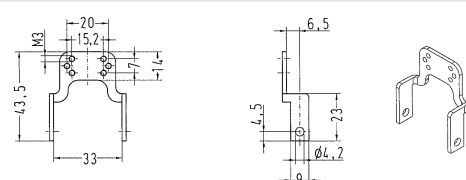
Han E®,
Han® EE,
Han DD®,
Han-Snap®,
Shielding frame,
for bulkhead mounted housings,
for hoods, high construction,

Pack contents:
Ground terminal frame with M4 screws for
fixing at insert



06 B
10 B
16 B

09 00 000 5206
09 00 000 5207
09 00 000 5208



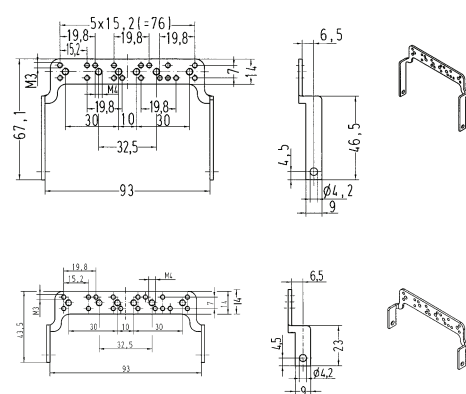
Han E®,
Han® EE,
Han DD®,
Han-Snap®,
Shielding frame,
for bulkhead mounted housings,
for hoods, high construction,
24 B,


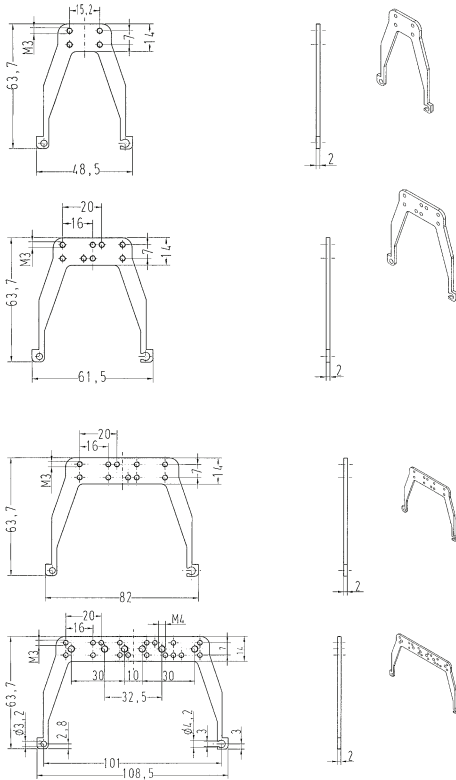

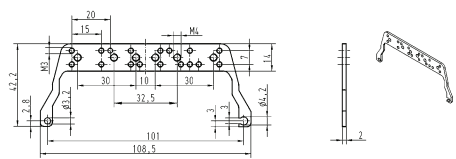

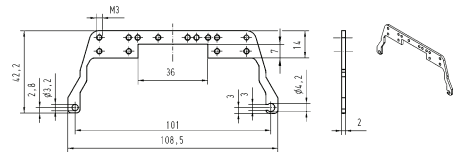

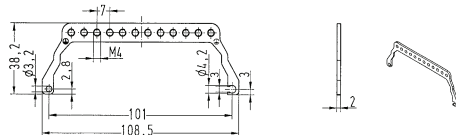
Pack contents:
Ground terminal frame with M4 screws for
fixing at insert



24 B
24 B

09 00 000 5210
09 00 000 5280



Identification	Size	Part number	Drawing (dimensions in mm)
<p>Han-Modular®, Shielding frame, for bulkhead mounted housings</p> 	<p>06 B 10 B 16 B 24 B L32 B</p>	<p>09 00 000 5256 09 00 000 5257 09 00 000 5258 09 00 000 5211 09 00 032 5201</p>	
<p>Han-Modular®, Shielding frame, for bulkhead mounted housings, for hoods, high construction</p> 	<p>24 B</p>	<p>09 00 000 5298</p>	
<p>Han-Quintax®, Shielding frame, for bulkhead mounted housings, for hoods, high construction</p> 	<p>24 B</p>	<p>09 00 000 5235</p>	
<p>Han-Modular®, PE bracket, for bulkhead mounted housings, for hoods, high construction</p> 	<p>24 B</p>	<p>09 00 000 5209</p>	

Accessories

Technical characteristics

Material (accessories) Steel, zinc plated

Technical characteristics

RoHS compliant

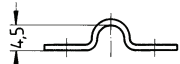
Identification	Cable diameter (mm)	Part number	Drawing (dimensions in mm)
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Clamp,
for shield frames

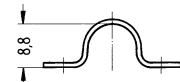


5
10

09 00 000 5341
09 00 000 5342



Cable diameter 5 mm




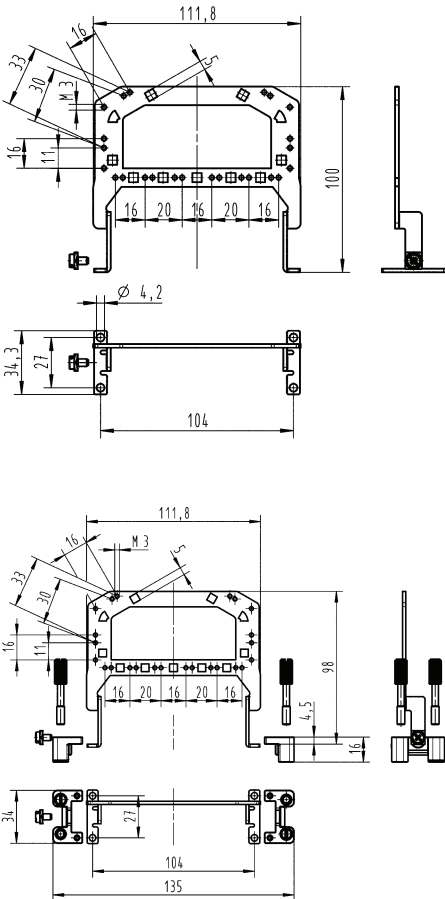

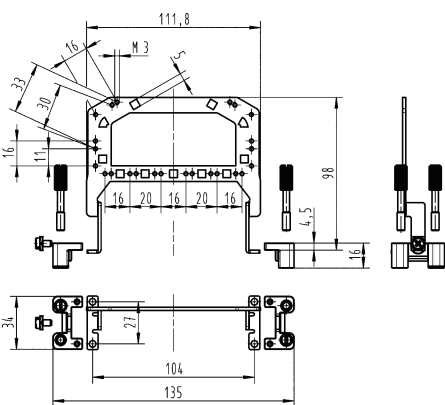
Cable diameter 10 mm

Technical characteristics

Material (accessories) Metal

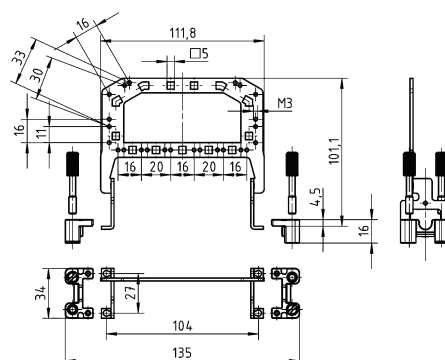
Technical characteristics

Surface (accessories) Zinc plated compliant
RoHS

Identification	Size	Part number	Drawing (dimensions in mm)
<p>Grip frame</p>  <p>Can only be used with screw adapter!</p>	<p>16 B 24 B</p>	<p>09 00 016 5603 09 00 024 5601</p>	
<p>Grip frame, With screw adapter and screw to use in connection with 09 00 000 5602</p> 	<p>16 B 24 B</p>	<p>09 00 016 5612 09 00 024 5611</p>	



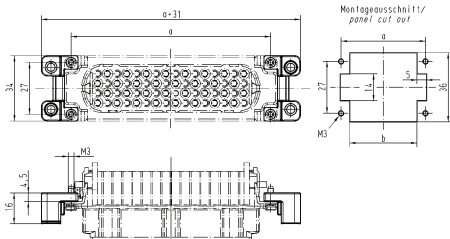

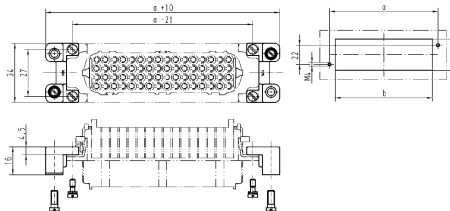
Identification	Size	Part number	Drawing (dimensions in mm)
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Han-Modular®,
Grip frame,
With screw adapter and screw to use in
connection with 09 00 000 5602



- Grip frame suitable for Han® 64 D / Han® 108 DD / Han® 24 E / Han® 24 ES / Han® 24 ESS / Han® 46 EE
- Multiple shield connections via grip frame
- Cable can be fixed with clamps or cable tie

Material (accessories)	Zinc die-cast
Surface (accessories)	Copper-plated, Nickel plated
RoHS	compliant

Identification	Part number	Drawing (dimensions in mm)															
Screw adapter, Top part, With fixing screw	09 00 000 5601																
Screw adapter, Bottom part	09 00 000 5602	  <table border="1"> <thead> <tr> <th></th><th>a</th><th>b</th></tr> </thead> <tbody> <tr> <td>6 B</td><td>44</td><td>35</td></tr> <tr> <td>10 B</td><td>57</td><td>48</td></tr> <tr> <td>16 B</td><td>77,5</td><td>68,5</td></tr> <tr> <td>24 B</td><td>104</td><td>95</td></tr> </tbody> </table>		a	b	6 B	44	35	10 B	57	48	16 B	77,5	68,5	24 B	104	95
	a	b															
6 B	44	35															
10 B	57	48															
16 B	77,5	68,5															
24 B	104	95															
Screw adapter, Bottom part, With fixing screw	09 00 000 5603	  <table border="1"> <thead> <tr> <th></th><th>a</th><th>b</th></tr> </thead> <tbody> <tr> <td>6 B</td><td>65</td><td>52</td></tr> <tr> <td>10 B</td><td>78</td><td>65</td></tr> <tr> <td>16 B</td><td>98,5</td><td>85,5</td></tr> <tr> <td>24 B</td><td>125</td><td>112</td></tr> </tbody> </table>		a	b	6 B	65	52	10 B	78	65	16 B	98,5	85,5	24 B	125	112
	a	b															
6 B	65	52															
10 B	78	65															
16 B	98,5	85,5															
24 B	125	112															

Features

- Use of standard inserts or Han-Modular® hinged frames
- Pre-assembled fixing brackets
- Simple and quick assembly
- 36 coding options

Technical characteristics

Material (accessories)	Metal, Thermoplastic
Surface (accessories)	Zinc plated
RoHS	compliant with exemption

Identification	Size	Part number	Drawing (dimensions in mm)
Grip frame, with fixing brackets	06 B 10 B 16 B 24 B 32 B	09 00 006 5610 09 00 010 5610 09 00 016 5610 09 00 024 5610 09 00 032 5610	
Panel mounting parts, Pack contents: Supplied as a pair		09 00 000 5614	


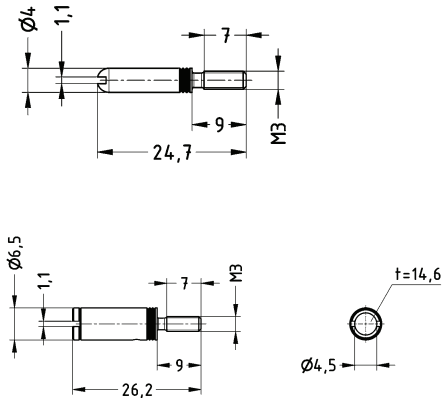

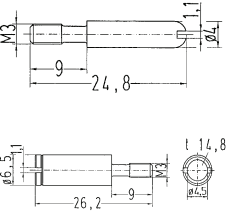



Features

- Guide pins and bushes for secure mating of hood and housing
- Can also be used for coding
- Are used in the hinged frame instead of M6 fixing screws

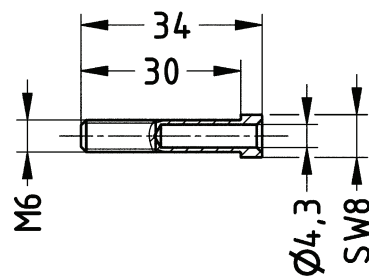
Technical characteristics

Material (accessories)	Steel, zinc plated, Stainless steel
RoHS	compliant with exemption, compliant

Identification	Part number		Drawing (dimensions in mm)
	Male	Female	
<p>Coding, With guide pins/bushes, for application "insert with screw adapter" with/ without grip frame</p> 	09 33 000 9808	09 33 000 9809	
<p>Coding, With guide pins/bushes, for application "insert in hood/housing"</p> 	09 33 000 9908	09 33 000 9909	
<p>Han-Modular®, Coding, With guide pins/bushes, for application "insert with screw adapter" with/ without grip frame</p>  <p>Please order 4 pieces for one connector.</p>	09 14 000 9981	09 14 000 9982	

Identification	Part number		Drawing (dimensions in mm)
	Male	Female	
Han-Modular®, Coding, With guide pins/bushes, for application "insert in hood/housing"	09 14 000 9908	09 14 000 9909	 <p>Please order 4 pieces for one connector.</p> <p>for hoods/housings with one insert/one frame</p> <p>for hoods/housings with tho inserts/two frames</p> <ul style="list-style-type: none"> • Guide pin ○ Guide bush + Fixing screw M - male insert F - female insert
Han® HPR enlarged, Guide pin, for bulkhead mounted housings	09 40 000 9811		
Han® HPR enlarged, Guide bush, for bulkhead mounted housings		09 40 000 9812	
Han® HPR enlarged, Guide pin, for hoods	09 40 000 9906		

Identification	Part number		Drawing (dimensions in mm)
	Male	Female	
Han® HPR enlarged, Guide bush, for hoods		09 40 000 9907	



Technical characteristics

Material (accessories) Steel, zinc plated

Technical characteristics

RoHS compliant with exemption

Identification

Coding,
With code pins,
Han® B



Please order 4 pieces for one connector.

Han-Modular®,
Coding,
With code pins



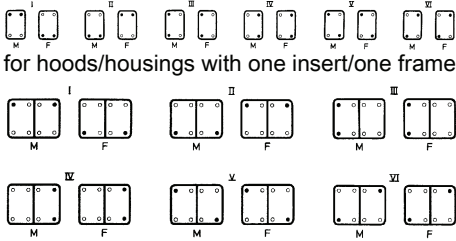
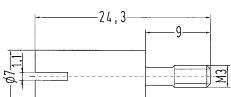
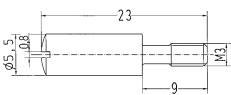
Please order 4 pieces for one connector.

Part number

09 30 000 9901

09 14 000 9901

Drawing (dimensions in mm)



for hoods/housings with one insert/one frame

for hoods/housings with two inserts/two frames

- ♦ Code pin
- + Fixing screw
- M - male insert
- F - female insert


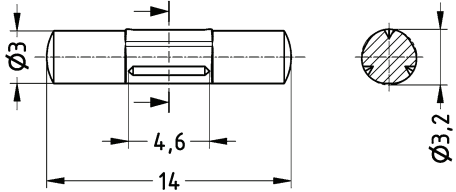

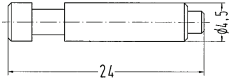
Technical characteristics

Material (accessories) RoHS	Thermoplastic compliant, compliant with exemption
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Details

Coding pin

Use of the coding pin prevents incorrect mating to other connectors of the same type. The male pin should be omitted from the opposing cavity in the male insert.

Identification	Part number Female	Drawing (dimensions in mm)
<p>Han D®, Han DD®, Han® DDD, Coding pin</p>  <p>Only for crimp termination With loss of one contact</p>	09 33 000 9915	
<p>Han E®, Han® EE, Han® EEE, Coding pin</p>  <p>for crimp inserts only With loss of one contact</p>	09 33 000 9954	


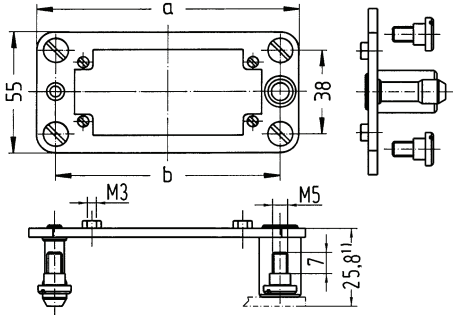
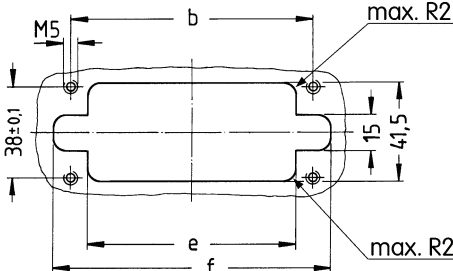


Features

- Suitable for all inserts of the series Han E®, Han E® HMC, Han EE®, Han EE® HMC, Han EEE®, Han EEE® HMC, Han® ES, Han D® (size B), Han D® HMC, Han DD®, Han DD® HMC, Han-Com®, Han® HsB, Han-Modular®
- Due to the floating system of the docking frame the PE connection of the mounting base has to be installed separately.
- Inserts are protected against mechanical damage

Technical characteristics

Mating cycles	≥500
Mating cycles with other HMC components	≥10000
Material (accessories)	Stainless steel
RoHS	compliant with exemption


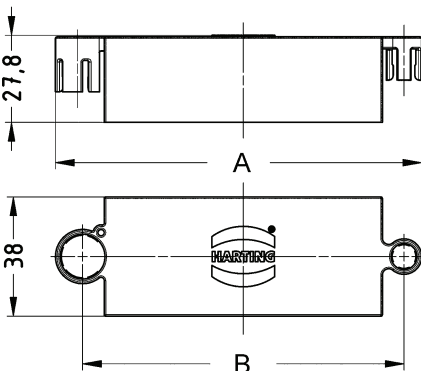
Identification	Size	Part number	Drawing (dimensions in mm)
<p>Docking frame, Pack contents: 1 frame, 4 cheese head shoulder screws (Steel, zinc plated) to fix the docking frame</p>  <p>Pull-in-range x-axis: ± 1.5 mm Pull-in-range y-axis: ± 1.5 mm</p>	<p>06 B 10 B 16 B 24 B</p>	<p>09 30 006 1704 09 30 010 1704 09 30 016 1704 09 30 024 1704</p>	 <p>Distance for electrical and FO contacts max. 27 mm; for Han-Modular® series max. 26.5 mm 6 B: a=86; b=69 10 B: a=99; b=82 16 B: a= 119.5 ; b= 102.5 24 B: a=146; b=129</p>  <p>6 B: b= 69; e= 54.5; f= 84 10 B: b= 82; e= 67.5; f= 97 16 B: b= 102.5; e= 88; f= 117.5 24 B: b= 129; e= 114.5; f= 144</p>

Technical characteristics


Limiting temperature -40 ... +125 °C
 Degree of protection acc. to IEC IP20
 60529
 Material (accessories) Thermoplastic
 Material flammability class acc. to UL 94 V-0

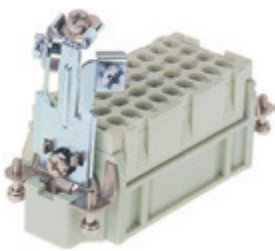
Specifications and approvals

DIN EN 45545-2 R22: HL1, HL2, HL3
 DIN EN 45545-2 R23: HL1, HL2, HL3

Identification	Size	Part number	Drawing (dimensions in mm)															
Protection cover, for Han® docking frame, IP20	06 B 10 B 16 B 24 B	09 30 006 5418 09 30 010 5418 09 30 016 5418 09 30 024 5418	  <table><tr><th></th><th>A</th><th>B</th></tr><tr><td>6 B</td><td>83.3 mm</td><td>69 mm</td></tr><tr><td>10 B</td><td>96.3 mm</td><td>82 mm</td></tr><tr><td>16 B</td><td>116.8 mm</td><td>102.5 mm</td></tr><tr><td>24 B</td><td>143.3 mm</td><td>129 mm</td></tr></table>		A	B	6 B	83.3 mm	69 mm	10 B	96.3 mm	82 mm	16 B	116.8 mm	102.5 mm	24 B	143.3 mm	129 mm
	A	B																
6 B	83.3 mm	69 mm																
10 B	96.3 mm	82 mm																
16 B	116.8 mm	102.5 mm																
24 B	143.3 mm	129 mm																

Number of contacts

3+ 



Features


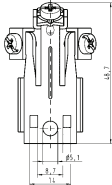
- 3 PE-terminations
- Screws with ± head
- Self lifting washer
- Suitable for use with all inserts of the Han® 6 B to 24 B size (except Han® ESS-inserts)
- Suitable in hoods high construction

Technical characteristics

Number of contacts	3
Contact resistance	≤3 mΩ
Material (contacts)	Copper alloy
RoHS	compliant

Details

The PE-multiple ground connection may be used to terminate three PE-wires on one connector. Each PE-wire can be terminated and removed separately.
(acc. VDE 0113 EN 60204 Pt. 14.1.1)

Identification	Conductor cross-section (mm²)	Part number	Drawing (dimensions in mm)
<div>PE Multiple ground connection,</div> <div>Pack contents:</div> <div>Distributor,</div> <div>Fixing screw M4 with washer</div> <div>Contact surface:</div> <div>Nickel plated</div> <div></div>	0.5 ... 2.5	09 33 000 9992	<div></div>


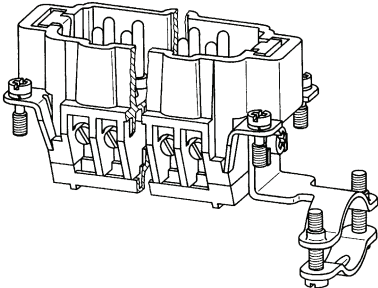

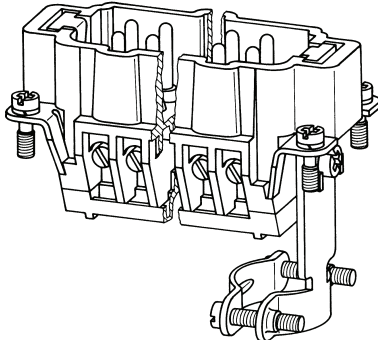
Technical characteristics

RoHS compliant

Details

When using inserts without hoods or housings and requiring a strain relief this system is suitable for all rectangular connectors of series Han DD®, Han® 40-64 D, Han E®, Han® ES, Han Hv E®, Han® Hv ES, Han® EE, Han® K 8/24.

Fitted at the opposite end to the PE-termination.

Identification	Clamping range (mm)	Part number	Drawing (dimensions in mm)
<p>Strain relief clamp, Angled, Pack contents: Strain relief clamp with 2 screws M3, Fixing screw M4 with washer</p> 	9 ... 19	09 00 000 5339	
<p>Strain relief clamp, Straight, Pack contents: Strain relief clamp with 2 screws M3, Fixing screw M4 with washer</p> 	9 ... 19	09 00 000 5340	

Features


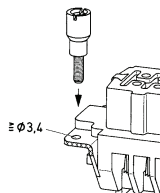

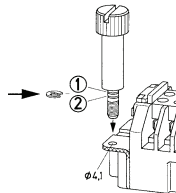
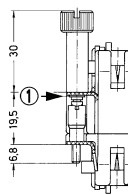
- Useable for inserts without hoods or housings and requiring a strain relief
- Suitable for all rectangular connectors of the Han® series Han® 6 B, 10 B, 16 B, 24 B

Technical characteristics

RoHS compliant with exemption

Details

When using inserts without hoods or housings and requiring a locking facility this system is suitable for all rectangular connectors of the Han® series size 6 ... 24 B. For each connector we recommend two screw pins and two bushes as shown which are fitted diagonally to the inserts instead of the ordinary fixing screws. Holes for fixing to be drilled as shown.

Identification		Part number	Drawing (dimensions in mm)
Bush		09 33 000 9912	
Order 2 pieces for one connector.			
Knurled screw		09 33 000 9910	
Order 2 pieces for one connector.			
			Mounting example

Technical characteristics







Material (accessories)







Stainless steel




Technical characteristics

RoHS

compliant, compliant with exemption

Identification	Size	Part number	Drawing (dimensions in mm)
Han-Modular® Compact, Fixing screws	ST 2.9x9.5 F-H	09 12 000 9921	
			
Fixing screws	M3	09 16 000 9903	
			
Fixing screws, With seal, Han® 3 A	M3	09 20 000 9918	
			
Fixing screws, Han® 3 A	M3	09 20 000 9995	
			
Toggle locking screw, Han® 6/10/16/24 HPR		09 40 000 9931	
			
Toggle locking screw, 3 HPR		09 40 000 9933	
			

Identification	Size	Part number	Drawing (dimensions in mm)
Contact screw, Han A®  for PE in Han® Q 5/0, Q 7/0 PE screw, Han-Modular® hinged frames	M3 M4	09 30 000 9997 09 14 000 9953 09 14 000 9954	
PE screw, Han A®, Han® 15 D, Han® 25 D 	M3.5	09 20 000 9919	
PE screw 	M4	09 33 000 9925	
PE screw, Han-Com®, Han® HsB 	M5	09 33 000 9926	
Countersunk flat 		09 70 000 9902	
Countersunk flat, With seal 		09 70 000 9905	

Identification	Size	Part number	Drawing (dimensions in mm)
Locking screw, 3 HPR	M4	09 40 000 9929	
			
Locking screw, Han® 6/10/16/24 HPR	M6	09 40 000 9932	
			
Locking screw, 48 HPR	M6	09 40 000 9937	
			

Technical characteristics

Limiting temperature -40 ... +125 °C
Degree of protection acc. to IEC IP65
60529

Technical characteristics

Material (accessories) Steel, zinc plated, Thermoplastic, Metal
RoHS compliant, compliant with exemption

Identification	Size	Part number	Drawing (dimensions in mm)
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Bearing pedestal,
for Han® 10 A, 16 A, 32 A, 6 B, 10 B, 16 B, 24 B



09 30 000 9964

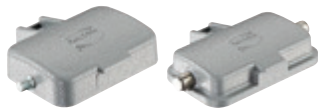
Han A®,
Protection cover,
for bearing pedestal,
Thermoplastic,
IP65



10 A
16 A

09 20 010 5410
09 20 016 5410

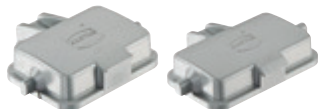
Han® B,
Protection cover,
for bearing pedestal,
Metal,
IP65



06 B
10 B
16 B
24 B

09 30 006 5403
09 30 010 5404
09 30 016 5404
09 30 024 5404

Han® B,
Protection cover,
for bearing pedestal,
Thermoplastic,
IP65



06 B
10 B
16 B
24 B

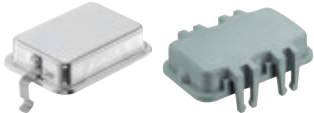
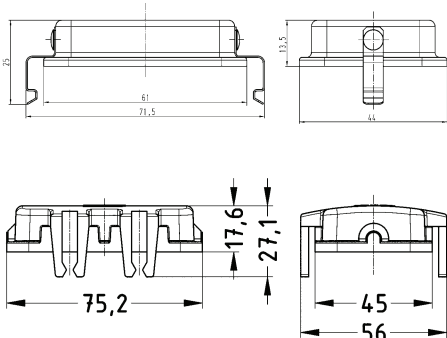

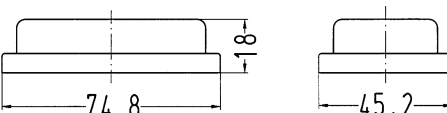

09 30 006 5410
09 30 010 5410
09 30 016 5410
09 30 024 5410


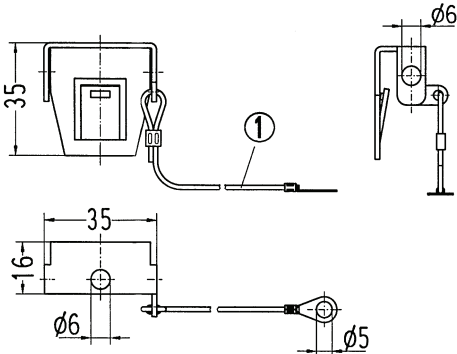

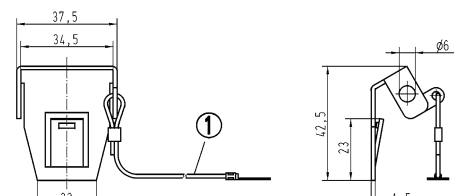

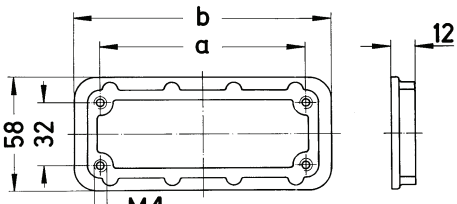

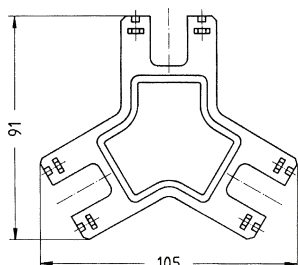
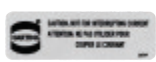
Technical characteristics


Material (accessories) Metal, Thermoplastic

Technical characteristics

RoHS compliant

Identification	Size	Part number	Drawing (dimensions in mm)
<div><p>Han® B, Dust protection cover, for hoods, With board locks</p></div>	06 B 10 B 16 B	09 30 006 5401 09 30 010 5401 09 30 016 5401	
<div><p>Han® B, Dust protection cover, for housings</p></div>	10 B 16 B 24 B	09 30 010 5406 09 30 016 5406 09 30 024 5406	
<div><p>Han® HPR, Dust protection cover, for housings</p></div>	03 HPR 06 HPR 10 HPR 16 HPR 24 HPR	09 40 003 5406 09 40 006 5406 09 40 010 5406 09 40 016 5406 09 40 024 5406	

Identification	Size	Part number	Drawing (dimensions in mm)
<p>Locking element, With cord, for Han® 10/16/24 B housings bulkhead mounting with Han-Easy Lock® double levers</p> 		09 30 000 9986	 <p>① Length 120 mm</p>
<p>Locking element, With cord, for Han® 10/16/24 B with double metal levers</p> 		09 30 000 9987	 <p>① Length 120 mm</p>
<p>Mounting frames, for standard hoods/housings</p> 	<p>06 B 10 B 16 B 24 B</p>	<p>09 40 000 9921 09 40 000 9922 09 40 000 9923 09 40 000 9924</p>	 <p>6 B: a=70; b=96 10 B: a=83; b=109 16 B: a=103; b=129 24 B: a=130; b=156</p>
<p>Frame, for custom test adapters, Pack contents: 2 assembly plates, 12 nuts for insertion</p> 		09 38 000 9901	
<p>Label, According to CSA-approval, Pack contents: 50 labels per sheet</p> 		09 30 000 9958	

Identification	Size	Part number	Drawing (dimensions in mm)
<p>Contact lubricant DvDA, for Han® contacts, Pack contents: Vaporizer (40 ml), Handling instruction</p>  <p>Applicable onto Han® contacts to reduce mating and unmating forces. Content: Preperation of perfluoropolyethers</p>		09 99 000 0829	