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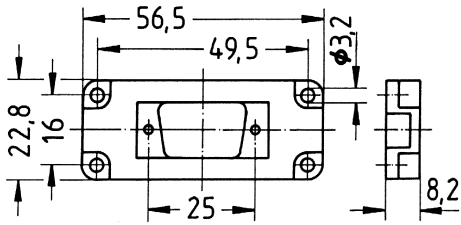

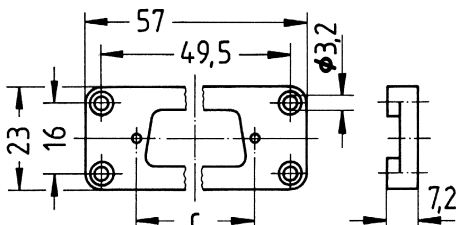



Technical characteristics

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> 	<p>09 20 000 9932</p>	 <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> 	<p>09 20 000 9928</p>	 <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> 	<p>09 20 000 9929</p>	

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> <div data-bbox="635 560 790 660" data-label="Image"> </div>	<p>09 20 000 9925</p>	<div data-bbox="1005 336 1436 548" data-label="Diagram"> <p>Technical drawing showing dimensions in mm: - Top width: 3,7 - Total length: 37,5 - Distance from top edge to hole center: 23,2 - Hole diameter: Ø3,2 - Hole spacing: 8 - Mounting hole diameter: M3 - Distance from hole center to bottom edge: 4,8 - Bottom width: 16,5</p> </div>

Accessories

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 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>	<p>09 20 000 9931</p>	
<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>	<p>09 20 000 9925</p>	



Accessories

Technical characteristics

Material (accessories) Thermoplastic 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>	<p>09 30 000 9965</p>	<p>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</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>	<p>09 30 000 9966</p>	<p>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</p>
<p>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</p>	<p>09 30 000 9970</p>	<p>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</p>
<p>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</p>	<p>09 30 000 9971</p>	<p>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</p>



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>	<p>09 30 000 9967</p>	<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> 	<p>09 30 000 9972</p>	<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
RoHS compliant

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	<p>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</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	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	<p>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</p>
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, 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)
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



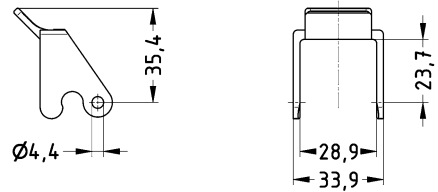



Accessories

Technical characteristics

Material (accessories) Thermoplastic, Polycarbonate, 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	Modular 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
RoHS compliant

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

Technical characteristics

Material (seal) NBR, FPM

Technical characteristics

Colour (seal) Black, Grey compliant
RoHS

Identification	Size	Part number	Drawing (dimensions in mm)
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Han A[®],
Profile gasket



03 A
10 A
16 A

09 70 000 9991
09 20 000 9996
09 20 000 9997

Han[®] B,
Profile gasket



06 B
10 B
16 B
24 B
32 B
48 B

09 30 000 9941
09 30 000 9942
09 30 000 9943
09 30 000 9944
09 30 000 9963
09 30 000 9995

O-ring rubber seal,
Han[®] HPR



03 HPR
06 HPR
10 HPR
16 HPR
24 HPR

09 40 000 9910
09 40 000 9911
09 40 000 9912
09 40 000 9913
09 40 000 9914

L-seal



06 B
10 B
16 B
24 B

09 30 000 9936
09 30 000 9935
09 30 000 9934
09 30 000 9933

Profile gasket,
FPM



03 A
06 B
10 B
16 B
24 B

09 21 000 9906
09 30 000 9951
09 30 000 9952
09 30 000 9953
09 30 000 9954

Accessories

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, in locked position
Colour (hood/housing)	Black
RoHS	compliant

Identification

Part number

Drawing
(dimensions in mm)

Locking element,
for hoods

09 30 016 9901



Standard hoods/housings for industrial connectors
Double locking lever




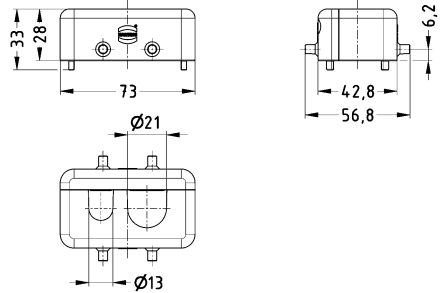

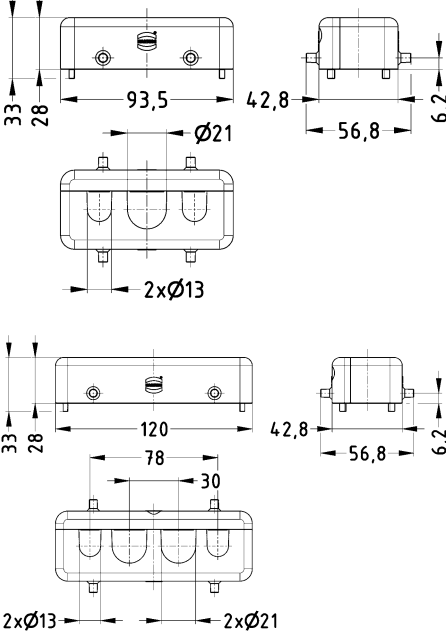
Accessories

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


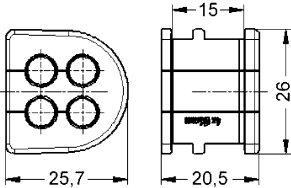

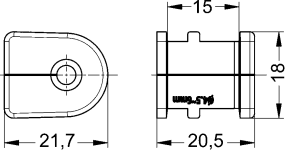

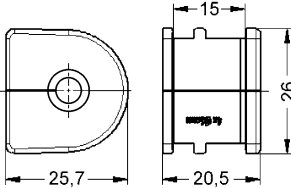
Identification	Cable entry	Size	Part number	Drawing (dimensions in mm)
<p>Han® B , Panel feed through housing, Top entry, Pack contents: 2 split hood halves, 2x M4 screw</p>  <p>Please order cable entry seals separately.</p>	<p>2x 3x</p>	<p>10 B 16 B</p>	<p>09 30 010 0498 09 30 016 0498</p>	
<p>Han® B , Panel feed through housing, Top entry, Pack contents: 2 split hood halves, 3x M4 screw</p>  <p>Please order cable entry seals separately.</p>	<p>4x</p>	<p>24 B</p>	<p>09 30 024 0498</p>	

Technical characteristics

Material (accessories) NBR

Technical characteristics

Colour (accessories) Black

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	

Standard hoods/housings for industrial connectors
Double locking lever



Accessories

Features


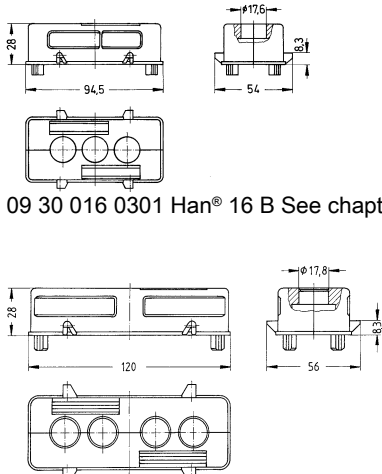

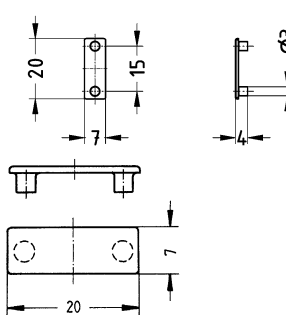
- Allows the entry of pre-assembled cables into a switch cabinet
- Use of identification strips is possible
- No special tools required
- Standard screw driver (5 x 1 mm) necessary to open split hood
- IP54 due to continuous contoured seal

Technical characteristics

Limiting temperature	-40 ... +125 °C
Degree of protection acc. to IEC 60529	IP54, when mounted vertically, IP65
Type rating acc. to UL 50 / UL 50E	4, 4X, 12
Material (hood/housing)	Polycarbonate
Colour (hood/housing)	RAL 7037 (dust grey)
RoHS	compliant

Specifications and approvals

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




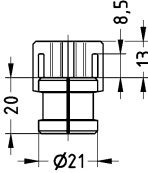

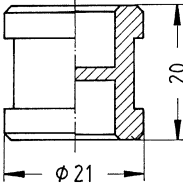
Identification	Cable entry	Cable diameter (mm)	Size	Part number	Drawing (dimensions in mm)
Han® B , Panel feed through housing, Top entry, Pack contents: 2 split hood halves  <p>Please order cable entry seals separately.</p>	3x Integrated 4x Integrated	17,6 17,8	16 B 24 B	09 30 016 0408 09 30 024 0408	 <p>09 30 016 0301 Han® 16 B See chapter 31</p> <p>09 30 024 0301 Han® 24 B See chapter 31</p>
Identification strip, Pack contents: Single 				09 33 000 9981	

Technical characteristics

Material (accessories) Thermoplastic

Technical characteristics

Colour (accessories) Black
RoHS compliant

Identification	Clamping range (mm)	Part number	Drawing (dimensions in mm)
Cable entry seal 	3 ... 4	09 00 000 5351	
	4 ... 5	09 00 000 5352	
	5 ... 6	09 00 000 5353	
	6 ... 7	09 00 000 5354	
	7 ... 8	09 00 000 5355	
	8 ... 9	09 00 000 5356	
	9 ... 10	09 00 000 5357	
Cable entry seal, Additional strain relief can be provided by cable ties (max. width 8 mm) 	10 ... 11	09 00 000 5358	
	11 ... 12	09 00 000 5359	
	12 ... 13	09 00 000 5360	
	13 ... 14	09 00 000 5361	
	14 ... 15	09 00 000 5362	
	15 ... 16	09 00 000 5363	
Cable entry seal, for ASI cable 		09 00 000 5364	
Dummy plugs 		09 00 000 5350	

Technical characteristics

Material (seal) NBR

Technical characteristics

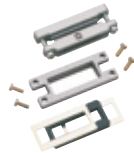
Colour (seal) Black
RoHS compliant

Identification

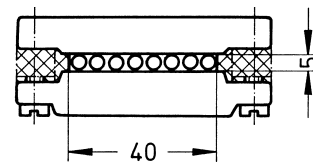
Part number

Drawing (dimensions in mm)

Set of seals for ribbon cable entry,
With strain relief clamp,
for 1 flat cable



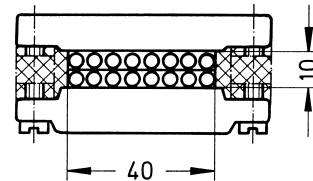
09 00 000 5315



Set of seals for ribbon cable entry,
With strain relief clamp,
for 2 flat cables



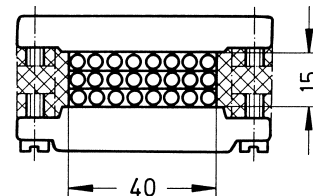
09 00 000 5316



Set of seals for ribbon cable entry,
With strain relief clamp,
for 3 flat cables



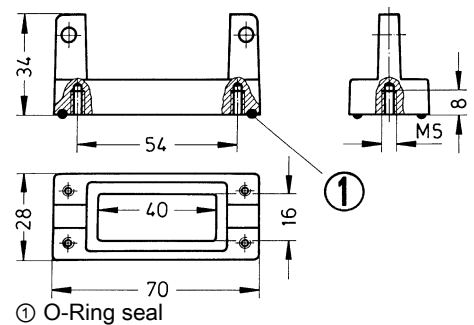
09 00 000 5317



Holder for ribbon cable entry,
for separate mounting



09 00 000 5325



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
Colour (accessories)	RAL 5012 (light blue), RAL 9005 (jet black), RAL 7032 (pebble grey), RAL 7035 (light grey)
Material flammability class acc. to UL 94	V-0

Technical characteristics

RoHS	compliant, compliant with exemption
RoHS exemptions	6c: Copper alloy containing up to 4 % lead by weight

Specifications and approvals

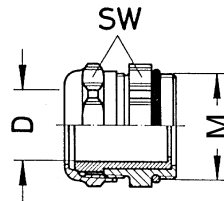
DNV GL
 UL 514B QCRV.E479780
 CSA-C22.2 No. 18.3 QCRV7.E479780

Identification	Size	Clamping range (mm)	Part number	Drawing (dimensions in mm)
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Han® CGM-Ex i ,
 Cable gland,
 Intrinsically safe electric circuits
 ,
 Blue

M20	5 ... 9
M20	6 ... 12
M25	9 ... 16
M32	13 ... 20
M40	22 ... 32

19 00 000 7101
19 00 000 7102
19 00 000 7104
19 00 000 7106
19 00 000 7109



Han® CGM-P ,
 Cable gland,
 Grey



M20	5 ... 9
M20	6 ... 12
M20	10 ... 14
M25	9 ... 16
M25	13 ... 18
M32	13 ... 18
M32	18 ... 25
M40	20 ... 26
M40	22 ... 32

19 00 000 5180
19 00 000 5182
19 00 000 5184
19 00 000 5190
19 00 000 5192
19 00 000 5194
19 00 000 5196
19 00 000 5197
19 00 000 5198

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

Han® CGM-P ,
 Cable gland,
 Black



M20	5 ... 9
M20	6 ... 12
M20	10 ... 14
M25	9 ... 16
M25	13 ... 18
M32	13 ... 20
M32	18 ... 25
M40	20 ... 26
M40	22 ... 32


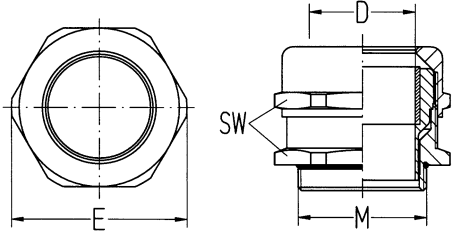
19 00 000 5181
19 00 000 5183
19 00 000 5185
19 00 000 5191
19 00 000 5193
19 00 000 5186
19 00 000 5187
19 00 000 5188
19 00 000 5189

Technical characteristics

Limiting temperature	-40 ... +100 °C
Degree of protection acc. to IEC 60529	IP68, IP69 / IPX9K acc. to ISO 20653
Material (seal)	NBR
Material (cable glands)	Brass, nickel plated
Material (clamping ring)	Polyamide
RoHS	compliant with exemption
RoHS exemptions	6c: Copper alloy containing up to 4 % lead by weight

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 	M20	5 ... 9	19 00 000 5080	 <table border="1"> <thead> <tr> <th>Outer cable Ø</th> <th>SW</th> <th>E</th> <th>Nm</th> </tr> </thead> <tbody> <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> </tbody> </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
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M40	22 ... 32	19 00 000 5098																																																														
M50	32 ... 38	19 00 000 5086																																																														



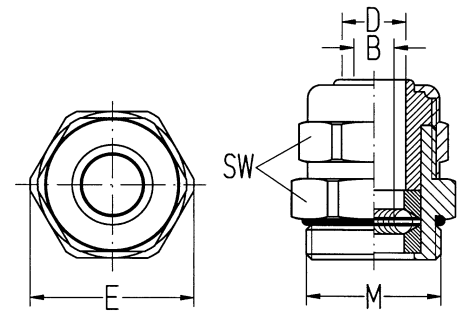
Technical characteristics

Degree of protection acc. to IEC IP68
60529
Material (cable glands) Metal

Technical characteristics

RoHS compliant with exemption
RoHS exemptions **6c**: Copper alloy containing up to 4 % lead by weight

Identification	Size	Clamping range (mm)	Part number	Drawing (dimensions in mm)																																												
Cable gland, EMC version	M20	4 ... 6,5	19 62 000 5081	<table border="1"> <thead> <tr> <th>cable-Ø D</th> <th>SW</th> <th>E</th> <th>shield-Ø B</th> </tr> </thead> <tbody> <tr> <td>6.5 ... 9.5</td> <td>22</td> <td>24.4</td> <td>3,5 ... 8,5</td> </tr> <tr> <td>4 ... 6.5</td> <td>22</td> <td>24.4</td> <td>2,5 ... 6,5</td> </tr> <tr> <td>7 ... 10.5</td> <td>22</td> <td>24.4</td> <td>6,5 ... 10,5</td> </tr> <tr> <td>9 ... 13</td> <td>22</td> <td>24.4</td> <td>6,5 ... 10,5</td> </tr> <tr> <td>6.5 ... 9.5</td> <td>22</td> <td>31.2</td> <td>3 ... 8</td> </tr> <tr> <td>9 ... 13</td> <td>28</td> <td>31.2</td> <td>4,8 ... 8</td> </tr> <tr> <td>11.5 ... 15.5</td> <td>35</td> <td>38.5</td> <td>8 ... 13,5</td> </tr> <tr> <td>14 ... 18</td> <td>35</td> <td>38.5</td> <td>9 ... 14,5</td> </tr> <tr> <td>17 ... 20.5</td> <td>43</td> <td>47.3</td> <td>15 ... 20</td> </tr> <tr> <td>20 ... 25</td> <td>43</td> <td>47.3</td> <td>15 ... 20</td> </tr> </tbody> </table>	cable-Ø D	SW	E	shield-Ø B	6.5 ... 9.5	22	24.4	3,5 ... 8,5	4 ... 6.5	22	24.4	2,5 ... 6,5	7 ... 10.5	22	24.4	6,5 ... 10,5	9 ... 13	22	24.4	6,5 ... 10,5	6.5 ... 9.5	22	31.2	3 ... 8	9 ... 13	28	31.2	4,8 ... 8	11.5 ... 15.5	35	38.5	8 ... 13,5	14 ... 18	35	38.5	9 ... 14,5	17 ... 20.5	43	47.3	15 ... 20	20 ... 25	43	47.3	15 ... 20
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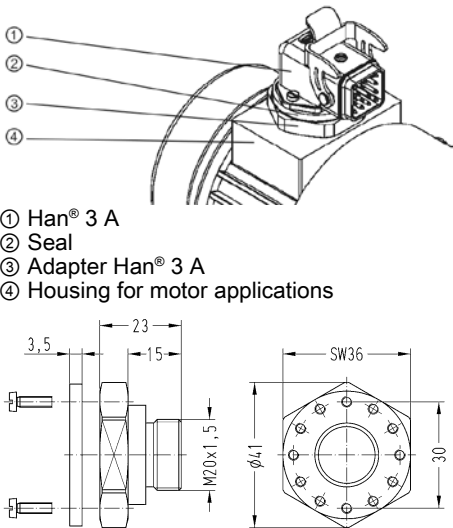

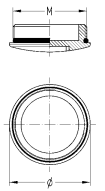



Technical characteristics

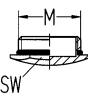
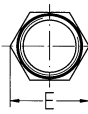
Material (accessories) Thermoplastic, Metal
 Colour (accessories) Black

Technical characteristics

RoHS compliant with exemption, compliant
 RoHS exemptions **6c**: Copper alloy containing up to 4 % lead by weight

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 applications</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	

Accessories

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

Material (accessories) Steel, zinc plated

Technical characteristics

RoHS compliant

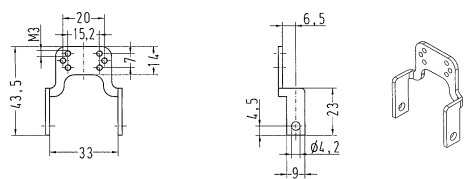
Identification	Size	Part number	Drawing (dimensions in mm)
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Han E®
Han® EE
Han DD®
Han-Snap®,
Shielding frame,
for bulkhead mounted housings and
hoods,
High construction,
Pack contents:
Ground terminal frame with M4 screws for
fixing at insert



06 B
10 B
16 B

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

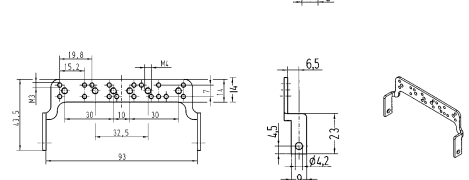
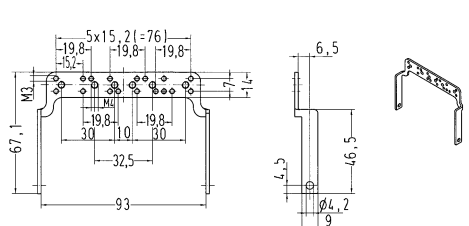
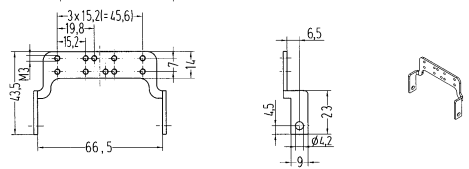
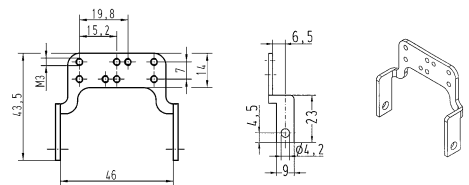


Han E®
Han® EE
Han DD®
Han-Snap®,
Shielding frame,
for bulkhead mounted housings and
hoods,
High construction,
24 B,
Pack contents:
Ground terminal frame with M4 screws for
fixing at insert


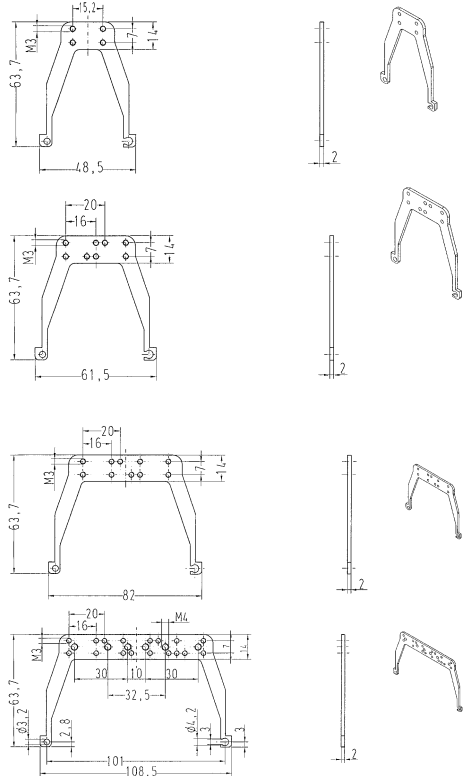

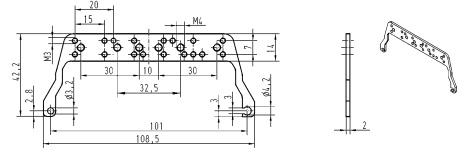

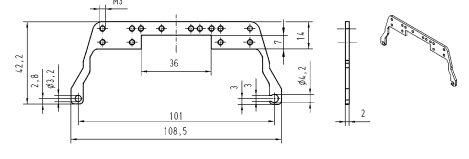

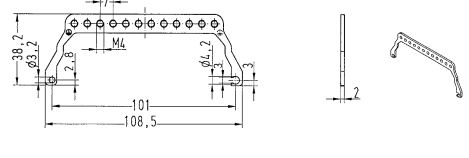


24 B
24 B

09 00 000 5210
09 00 000 5280



Accessories

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

Technical characteristics

Material (accessories) Steel, zinc plated

Technical characteristics

RoHS compliant

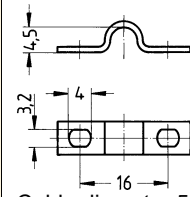
Identification	Cable diameter (mm)	Part number	Drawing (dimensions in mm)
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Clamp, for shield frames

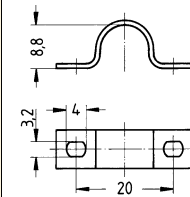


5
10

09 00 000 5341
09 00 000 5342



Cable diameter 5 mm



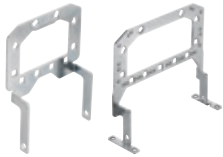
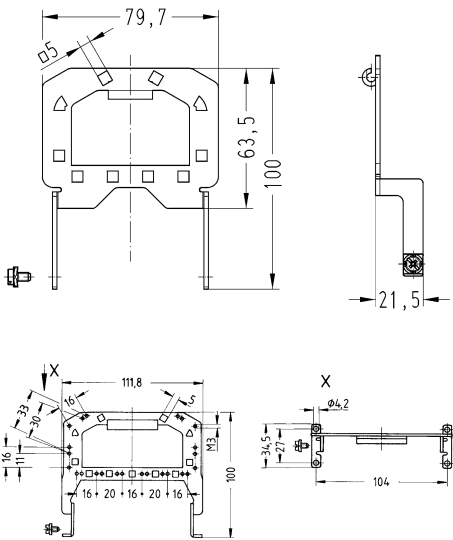

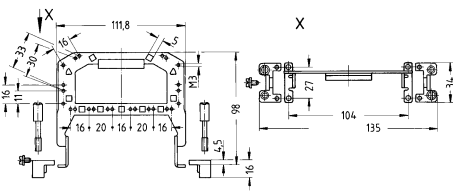
Cable diameter 10 mm

Technical characteristics

Material (accessories) Metal

Technical characteristics

Surface (accessories) Zinc plated
RoHS compliant

Identification	Size	Part number	Drawing (dimensions in mm)
<p>Grip frame</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>24 B</p>	<p>09 00 024 5611</p>	

Features

- 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

Technical characteristics

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

Identification

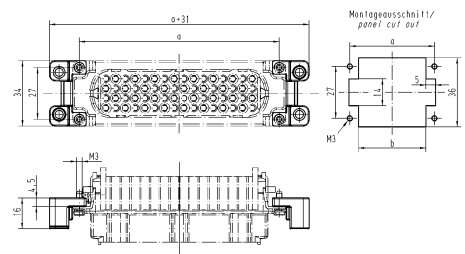
Screw adapter,
Bulkhead mounting,
To use in connection 09 00 024 5611



Part number

09 00 000 5602

Drawing (dimensions in mm)

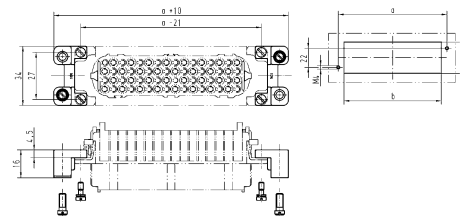


	a	b
6 B	44	35
10 B	57	48
16 B	77,5	68,5
24 B	104	95

Screw adapter,
Bulkhead mounting



09 00 000 5603



	a	b
6 B	65	52
10 B	78	65
16 B	98,5	85,5
24 B	125	112

Accessories


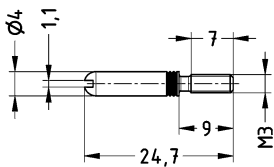
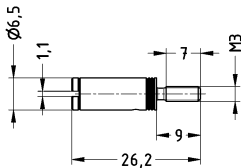
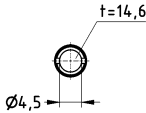

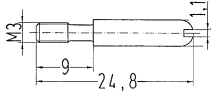
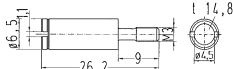

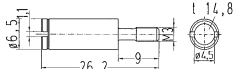

Technical characteristics

RoHS compliant with exemption

Technical characteristics

RoHS exemptions

6a: Lead as an alloying element in steel for machining purposes and in galvanised steel containing up to 0,35 % lead by weight

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>  <p>Please order 4 pieces for one connector.</p>	09 33 000 9808	09 33 000 9809	  
<p>Coding, With guide pins/bushes, for application "insert in hood/housing"</p>  <p>Please order 4 pieces for one connector.</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	 


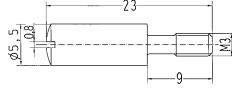

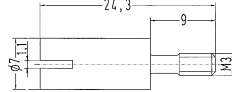
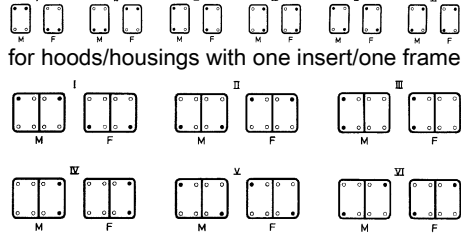
Accessories

Technical characteristics

RoHS compliant with exemption

Technical characteristics

RoHS exemptions **6a:** Lead as an alloying element in steel for machining purposes and in galvanised steel containing up to 0,35 % lead by weight

Identification	Part number	Drawing (dimensions in mm)
<p>Coding, With code pins, Han® B</p>  <p>Please order 4 pieces for one connector.</p>	<p>09 30 000 9901</p>	
<p>Han-Modular® , Coding, With code pins</p>  <p>Please order 4 pieces for one connector.</p>	<p>09 14 000 9901</p>	
		 <p>for hoods/housings with one insert/one frame</p> <p>for hoods/housings with the inserts/two frames</p> <ul style="list-style-type: none"> ◆ Code pin + Fixing screw M - male insert F - female insert

Technical characteristics

Material (accessories) Thermoplastic
RoHS compliant

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	Drawing (dimensions in mm)
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Han D®
Han DD® ,
Coding pin

09 33 000 9915



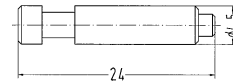
Only for crimp termination
With loss of one contact

Han E®
Han® EE
Han® EEE ,
Coding pin

09 33 000 9954



for crimp inserts only




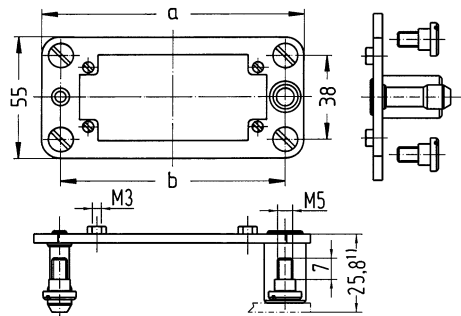
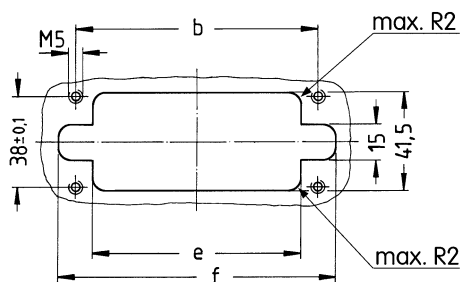


Features

- 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
RoHS exemptions	6a: Lead as an alloying element in steel for machining purposes and in galvanised steel containing up to 0,35 % lead by weight

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</p> <p>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>

Number of contacts

3+



Accessories

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 DIN EN 60204 Pt. 14.1.1)

Identification	Conductor cross-section (mm ²)	Part number	Drawing (dimensions in mm)
PE Multiple ground connection, Pack contents: Distributor, Fixing screw M4 with washer Contact surface: Nickel plated	0,5 ... 2,5	09 33 000 9992	


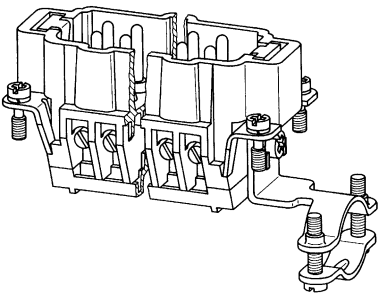

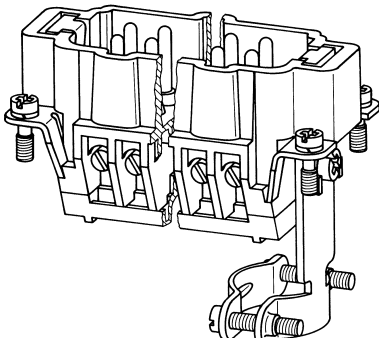


Technical characteristics

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


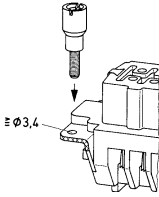
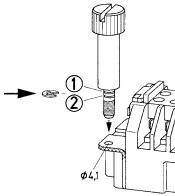
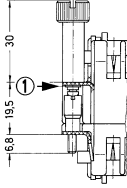

Technical characteristics

RoHS
RoHS exemptions

compliant with exemption **6a**: Lead as an alloying element in steel for machining purposes and in galvanised steel containing up to 0,35 % lead by weight

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)
<p>Bush</p>  <p>Order 2 pieces for one connector.</p>	09 33 000 9912	   <p>Mounting example</p>
<p>Knurled screw</p>  <p>Order 2 pieces for one connector.</p>	09 33 000 9910	






Accessories







Technical characteristics

RoHS compliant, compliant with exemption




Technical characteristics

RoHS exemptions **6c:** Copper alloy containing up to 4 % lead by weight

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® 		09 30 000 9997	
for PE in Han® Q 5/0, Q 7/0			
PE screw, Han-Modular® hinged frames 	M3 M4	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, 6 B ... 24 B 	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	

Accessories





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 60529	IP65
Material (accessories)	Steel, zinc plated, Thermoplastic, Metal

Technical characteristics

RoHS	compliant, compliant with exemption
RoHS exemptions	6a: Lead as an alloying element in steel for machining purposes and in galvanised steel containing up to 0,35 % lead by weight

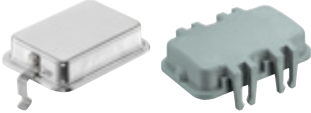
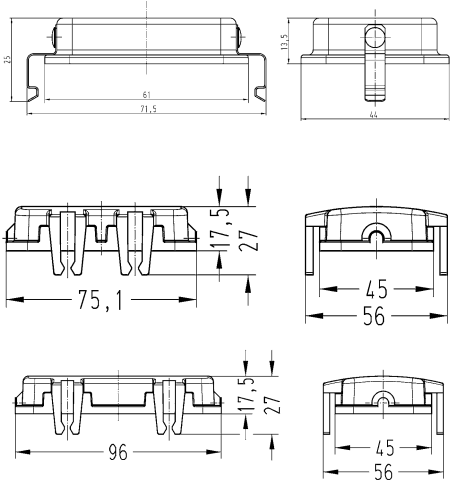

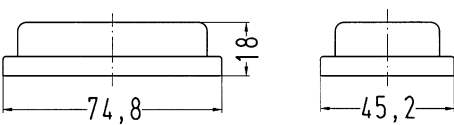

Identification	Size	Part number	Drawing (dimensions in mm)
Bearing pedestal, for Han® 10 A, 16 A, 32 A, 6 B, 10 B, 16 B, 24 B 		09 30 000 9964	
Han A®, Protection cover, for bearing pedestal, Thermoplastic 	10 A 16 A	09 20 010 5410 09 20 016 5410	
Han® B, Protection cover, for bearing pedestal, Metal 	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 	06 B 10 B 16 B 24 B	09 30 006 5410 09 30 010 5410 09 30 016 5410 09 30 024 5410	


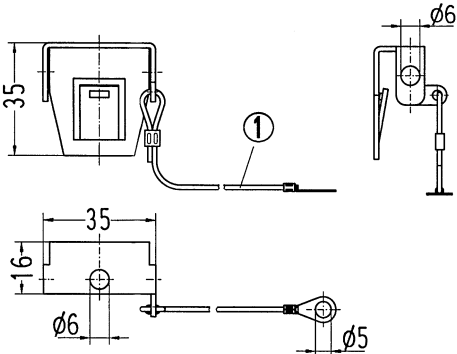

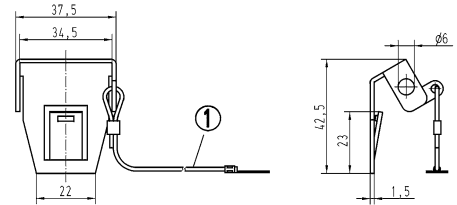

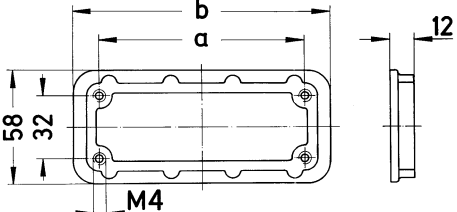

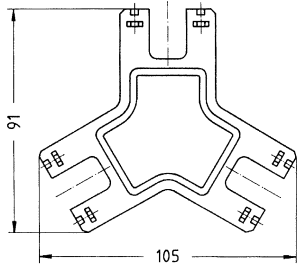

Technical characteristics

Material (accessories) Metal, Thermoplastic


Technical characteristics

RoHS compliant

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

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> 	06 B 10 B 16 B 24 B	09 40 000 9921 09 40 000 9922 09 40 000 9923 09 40 000 9924	 <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	

Accessories

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