

Hoods/Housings Accessories

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Coding of Hoods/Housings	40.11

D-Sub



Number of contacts

9-50



D-Sub adapter for Han A hood/housing

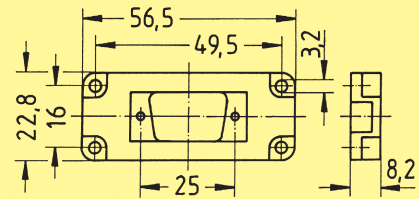
Identification D-Sub size Han A housing size Part No. Drawing Dimensions in mm

Plastic adapter
for 1 x D-Sub

9

10 A

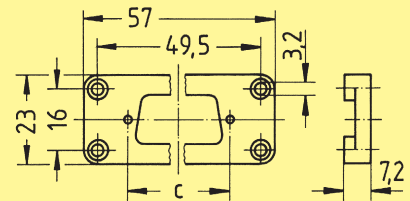
09 20 000 9932



15

10 A

09 20 000 9928



25

10 A

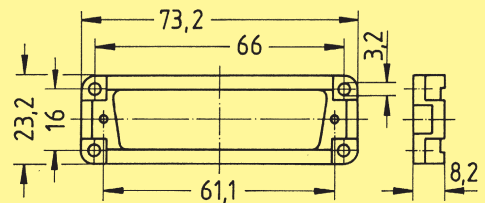
09 20 000 9929

Size	D-Sub	c
10 A	15	33.3
10 A	25	47

50

16 A

09 20 000 9931



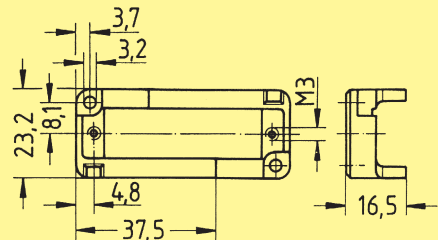
Delivery comprises:
1 adapter
4 fixing screws for adapter
2 fixing screws for D-Sub connector

Metal adapter
for 1 x D-Sub

25

10 A

09 20 000 9925



37

16 A

09 20 000 9925

Delivery comprises:
2 adapter
2 fixing screws for adapter
2 fixing screws for D-Sub connector

Accessories
Hoods/Housings

40
02

Stock items in bold type

D-Sub



Number of contacts

9-50



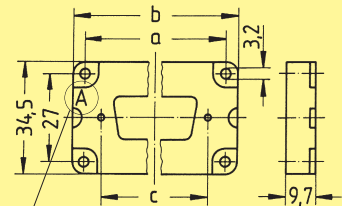
D-Sub adapter for Han B hood/housing

Identification D-Sub size Han B housing size Part No. Drawing Dimensions in mm

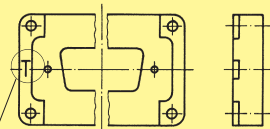
Plastic adapter
for 1 x D-Sub

9	6 B	09 30 000 9965
15	6 B	09 30 000 9966
25	10 B	09 30 000 9967
37	16 B	09 30 000 9968
50	16 B	09 30 000 9969

Delivery comprises:
1 adapter
4 fixing screws for adapter
2 fixing screws for D-Sub connector



Mounting in housing
Character "A" visible



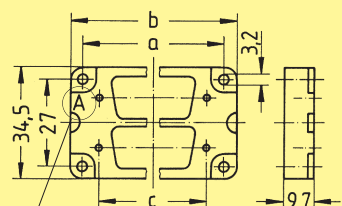
Mounting in hood
Character "T" visible

Size	D-Sub	a	b	c
6 B	9	44	51.5	25
6 B	15	44	51.5	33.3
10 B	25	57	64.5	47
16 B	37	77.5	85	63.5
16 B	50	77.5	85	61.1

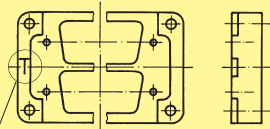
Plastic adapter
for 2 x D-Sub

2 x 9	6 B	09 30 000 9970
2 x 15	6 B	09 30 000 9971
2 x 25	10 B	09 30 000 9972
2 x 37	16 B	09 30 000 9973
2 x 50	16 B	09 30 000 9974

Delivery comprises:
1 adapter
4 fixing screws for adapter
4 fixing screws for D-Sub connector



Mounting in housing
Character "A" visible



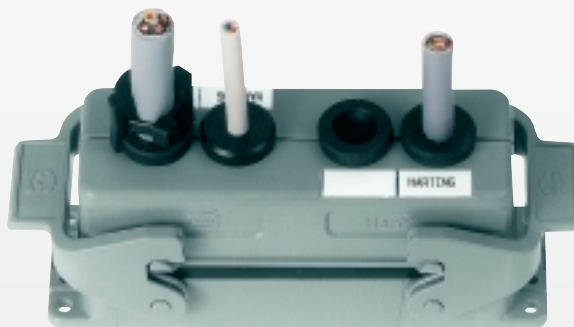
Mounting in hood
Character "T" visible

Size	D-Sub	a	b	c
6 B	9	44	51.5	25
6 B	15	44	51.5	33.3
10 B	25	57	64.5	47
16 B	37	77.5	85	63.5
16 B	50	77.5	85	61.1

Accessories
Hoods/Housings

40
03

Stock items in bold type



Features

- ❑ Compatible with Han B housings, bulkhead mounting, with 2 levers, standard panel cut out
- ❑ Allows the entry of pre-assembled cables into a switch cabinet
- ❑ IP 54 due to continuous contoured sealing
- ❑ Easy handling
- ❑ No special tools required for assembly
- ❑ Standard screw driver (5 x 1 mm) necessary to open split hood
- ❑ Up to 4 cable entries (3 – 16 mm diameter)
- ❑ High cable density
- ❑ From 10 mm Ø upwards cable tie is available for better strain relief
- ❑ Use of identification strips is possible
- ❑ Little wiring work and high degree of flexibility
- ❑ Manufacturer's guarantee of pre-assembled cables remains valid

Technical characteristics

Split hood

Material	Polycarbonate
Flammability acc. to UL 94	V 0
Temperature range	– 40 °C ... + 125 °C
Cable entries	3, 4
Degree of protection in locked position with correct grommet	IP 54 ¹⁾
Max. cable diameter	3 – 16 mm
Locking cycles of bulkhead mounted housings	≥ 50
Locking cycles of split hood halves	≥ 10

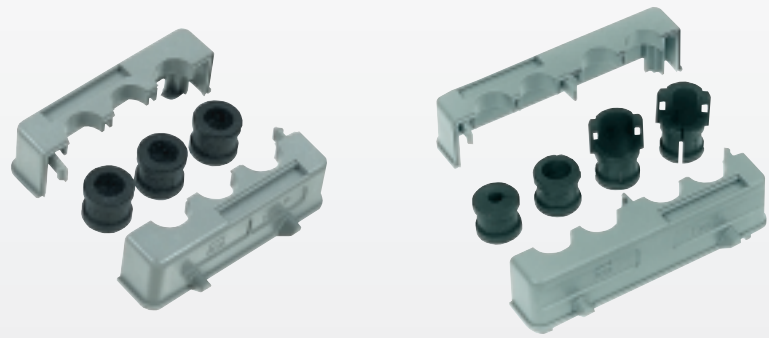
Cable entry glands

Material	Thermoplastic rubber, UL listed
Temperature range	– 40 °C ... + 125 °C
Colour	black

¹⁾ when mounted vertically in the longitudinal direction

Pack contents

2 split hood halves

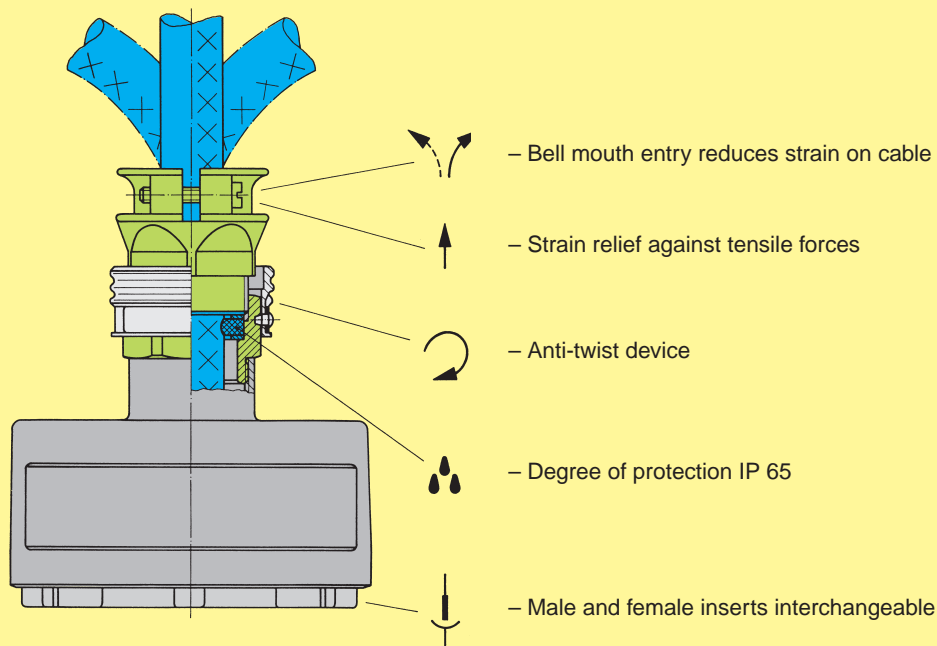


with up to 4 cable entries

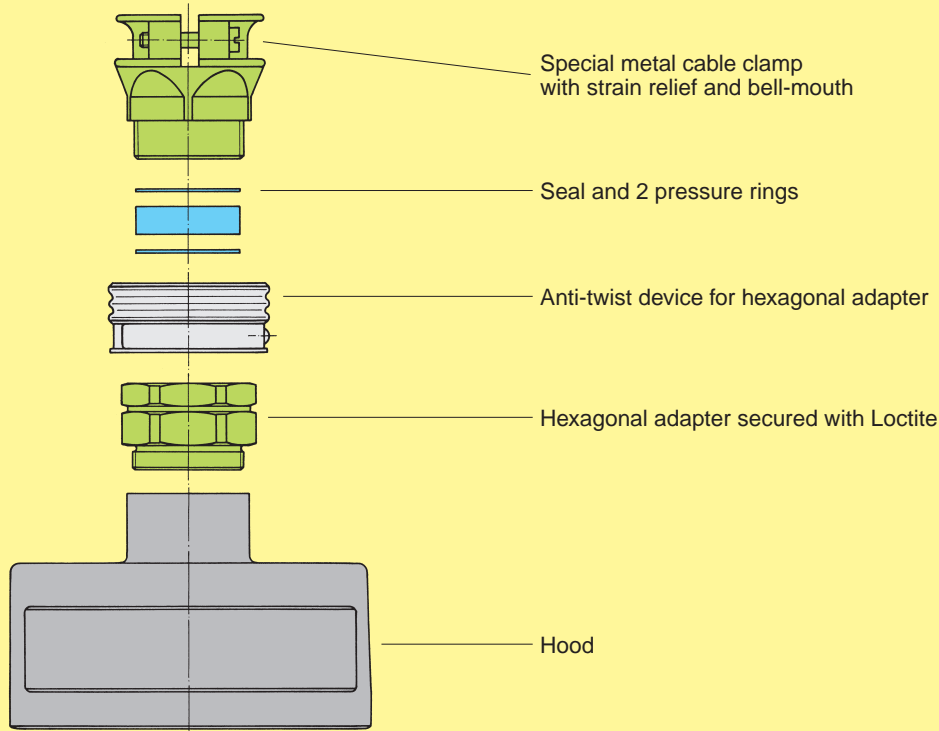
Identification	Size	Part No.	Drawing	Dimensions in mm												
Split hood for 3 cable entries for 4 cable entries	16 B	09 30 016 0408														
	24 B	09 30 024 0408														
Housings bulkhead mounting 	16	09 30 016 0301		<table border="1"> <thead> <tr> <th>Size</th> <th>a</th> <th>b</th> <th>Panel cut out</th> </tr> </thead> <tbody> <tr> <td>16 B</td> <td>103</td> <td>113</td> <td>82 x 35</td> </tr> <tr> <td>24 B</td> <td>130</td> <td>140</td> <td>108 x 35</td> </tr> </tbody> </table>	Size	a	b	Panel cut out	16 B	103	113	82 x 35	24 B	130	140	108 x 35
	Size	a			b	Panel cut out										
16 B	103	113	82 x 35													
24 B	130	140	108 x 35													
24	09 30 024 0301															

Identification	Suitable cable Ø	Part No.	Drawing	Dimensions in mm
Cable entry gland order separately from Ø 10 mm upwards additional strain relief can be provided by cable ties (max. width 8 mm) for ASI cable	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		
	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			
—	09 00 000 5364			
Blind grommet	—	09 00 000 5350		
Identification strips order separately 9 mm wide 20 mm long 20 pieces in one block	—	09 33 000 9982		

Special cable clamp with anti-twist device



Assembly details for hoods with special cable clamp and anti-twist device



Assembly instructions


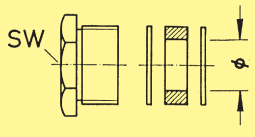

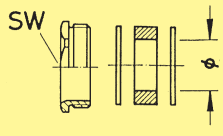

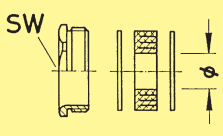

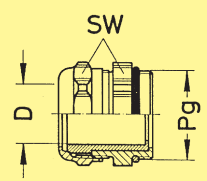

- The special cable clamp, pressure rings and seal must first be slid onto the prepared cable. The anti-twist device can be fitted to the hood or the hexagonal adaptor as shown, ensuring that it is in its inoperative position.
- The insert may now be wired and fixed in the hood.
- Slide the seal and pressure rings into position.
- Screw in the special cable clamp until cable entry is sealed ensuring that the upper and lower hexagonal sections are in alignment.
- Move the anti-twist device towards the special cable clamp until the sprung securing pin is in the locked position (see assembled connector drawing above).
- Tighten the strain relief clamp.


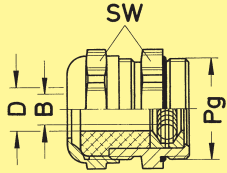
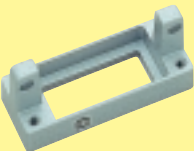
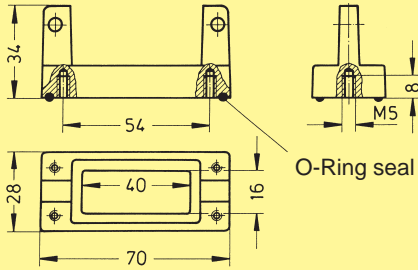
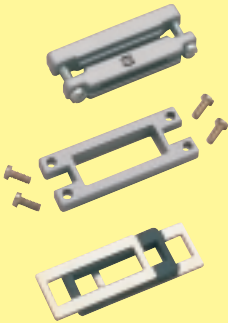
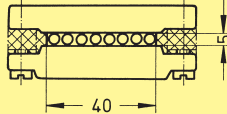
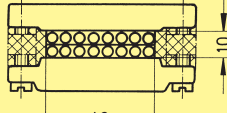
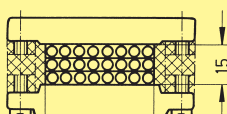
Identification	Part No.	Pg	Drawing	Dimensions in mm	
Special cable clamp metal, with bell-mouth cable fitting and strain relief for Standard Hoods/Housings	Style A	09 00 000 5101			
	Style B	09 00 000 5102			11
	Style A	09 00 000 5104			13.5
for Hoods/Housings Han U	Style A	09 36 000 5101			
for Hoods/Housings Han M	Style A	09 37 000 5101			11
	Style A	09 37 000 5106			16
Special cable clamp brass, with strain relief	Style C	09 00 000 5196			
	Style C	09 00 000 5197			21
Special cable clamp thermoplastic, with bell-mouth cable fitting and strain relief	Style D	09 00 000 5165			
	Style D	09 00 000 5166			11
	Style D	09 00 000 5167			13.5
	Style D	09 00 000 5168			16
	Style D	09 00 000 5169			21
	Style D	09 00 000 5170			29
Normal seal		09 00 000 5020			
		09 00 000 5021			11
		09 00 000 5022			13.5
		09 00 000 5023			16
		09 00 000 5024			21
		09 00 000 5025			29
		09 00 000 5026			36
Multiple seal		09 00 000 5027			
		09 00 000 5028			11
		09 00 000 5029			13.5
		09 00 000 5030			16
		09 00 000 5031			21
		09 00 000 5032			29
		09 00 000 5033			36
Anti-twist device for special metal cable clamp style A and hexagonal adaptor		09 36 000 9901			
		09 36 000 9902			11
		09 36 000 9903			13.5
		09 36 000 9904			16
		09 36 000 9905			21
Hexagonal adaptor metal with O-ring for anti-twist device		09 36 000 5131			
		09 36 000 5132			11
		09 36 000 5133			13.5
		09 36 000 5134			16
		09 36 000 5135			21
					29


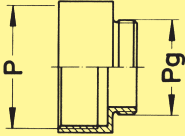
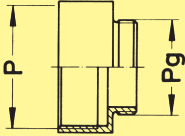

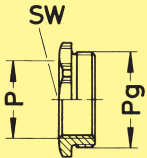
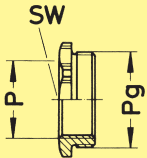

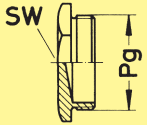
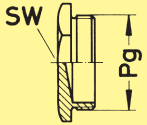

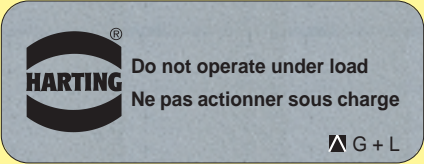
Style	PG	SW	a	c	d		D	e	f
					min.	max.			
A	11	19	26.6	M3	6	11	23	9	-
A	13.5	22	31	M3	9	14	28	10	-
A	16	24	33	M4	10	16	30	9.5	-
A	21	30	39.5	M4	13.5	21	37	12	-
A	29	41	49	M5	19	29	50	13	-
B	13.5	28	22	M3	9	14	31.5	6.5	-
B	16	30	23	M3	10	16	33.5	6.5	-
C	36	52	25.3	-	25	37	-	9.5	-
C	42	59	26.3	-	31	43	-	10	-
D	11	19	35	M3	6	11	33	9	35
D	13.5	22	36.5	M3	7.5	14	36	10	39
D	16	24	40	M4	10	16	38	10	45
D	21	30	47.5	M4	12.5	21	46	12	51
D	29	41	55.5	M5	17	29	60	13	64
D	36	50	62	M5	20.5	36	76	13	72



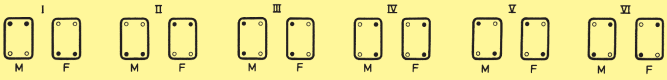
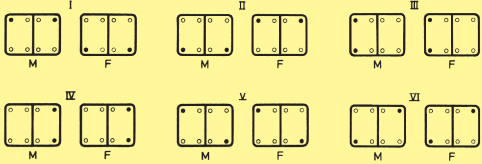




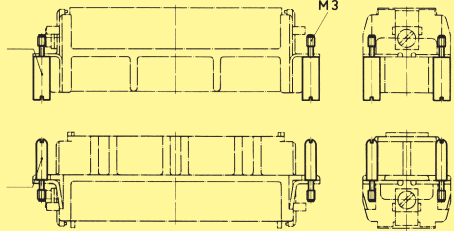
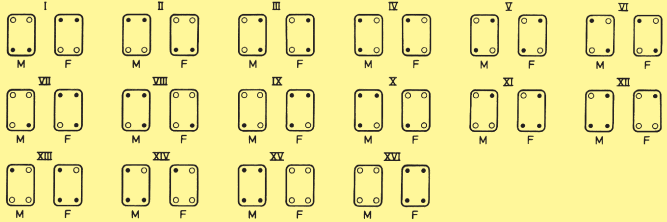
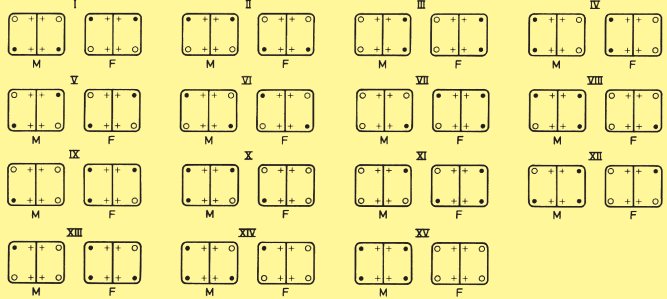
cable ø	
min.	max.
10	12
12	14
14	16
19	21
28	30
35	37
41	43

cable ø	
min.	max.
6.5	12
6.5	13.5
6.5	16
9	20
17	28
23	34
29	40

Identification	Part No.	Pg	Drawing	Dimensions in mm	
Cable sealing thermoplastic (IP 65) with normal seal 	grey 09 00 000 5164	11	SW cable ø min. max. 19 10 12		
	black 09 00 000 5185	11	19 10 12		
Cable sealing metal (IP 65) with normal seal 	09 00 000 5113	11	SW cable ø min. max. 18 10 12		
	09 00 000 5114	13.5	20 12 14		
	09 00 000 5115	16	22 14 16		
	09 00 000 5116	21	28 19 21		
	09 00 000 5117	29	37 28 30		
	09 00 000 5146	36	47 35 37		
	09 00 000 5119	42	54 41 43		
Cable sealing metal (IP 65) with multiple seal 	09 00 000 5013	11	SW cable ø min. max. 18 6.5 12		
	09 00 000 5014	13.5	20 6.5 13.5		
	09 00 000 5015	16	22 6.5 16		
	09 00 000 5016	21	28 9 20		
	09 00 000 5017	29	37 17 28		
	09 00 000 5018	36	47 23 34		
	09 00 000 5019	42	54 29 40		
Universal cable protection (IP 68) metal 	09 00 000 5080	11	Colour SW cable ø D min. max.		
	09 00 000 5081	11			grey 20 5 8
	09 00 000 5082	11			black 20 6.5 9.5
	09 00 000 5083	13.5	green 22 7 10.5		
	09 00 000 5084	13.5	black 22 6.5 9.5		
	09 00 000 5085	13.5	green 22 7 10.5		
	09 00 000 5086	16	red 24 9 13		
	09 00 000 5087	16	black 24 6 9.5		
	09 00 000 5088	16	green 24 7 10.5		
	09 00 000 5089	16	red 24 9 13		
	09 00 000 5090	21	white 30 11.5 15.5		
	09 00 000 5091	21	blue 30 9 13		
	09 00 000 5092	21	white 30 11.5 15.5		
	09 00 000 5093	21	blue 30 14 18		
	09 00 000 5094	29	blue 40 14 18		
	09 00 000 5095	29	brown 40 17 21		
	09 00 000 5096	29	orange 40 20 25		
	09 00 000 5097	29	light yellow 40 24 28		
09 00 000 5098	36	light blue 50 29 34			
09 00 000 5099	36	pink 50 32 36			
Universal cable protection (IP 68) metal UNI seal 	09 00 000 5123	16	Colour SW cable ø D min. max.		
	09 00 000 5124	21			white 24 - 15.5
	09 00 000 5125	29			white 30 - 18
		29			white 40 - 28

Identification	Part No.	Pg	Drawing	Dimensions in mm																																																																																										
EMC clamp (IP 68) 	09 62 000 5023	11	<table border="1"> <thead> <tr> <th rowspan="2">SW</th> <th colspan="2">Shield Ø B</th> <th colspan="2">cable Ø D</th> </tr> <tr> <th>min.</th> <th>max.</th> <th>min.</th> <th>max.</th> </tr> </thead> <tbody> <tr> <td>20</td> <td>2.5</td> <td>6.5</td> <td>4</td> <td>6.5</td> </tr> <tr> <td>20</td> <td>3.5</td> <td>8.5</td> <td>6.5</td> <td>8.5</td> </tr> <tr> <td>22</td> <td>6.5</td> <td>10.5</td> <td>8</td> <td>10.5</td> </tr> <tr> <td>09 62 000 5003</td> <td>13.5</td> <td rowspan="2">22</td> <td>2.5</td> <td>6.5</td> <td>6.5</td> <td>9.5</td> </tr> <tr> <td>09 62 000 5004</td> <td>13.5</td> <td>6.5</td> <td>10.5</td> <td>9</td> <td>13</td> </tr> <tr> <td>09 62 000 5005</td> <td>16</td> <td rowspan="2">24</td> <td>3.5</td> <td>8</td> <td>6.5</td> <td>9.5</td> </tr> <tr> <td>09 62 000 5006</td> <td>16</td> <td>4.5</td> <td>8</td> <td>9</td> <td>13</td> </tr> <tr> <td>09 62 000 5007</td> <td>21</td> <td rowspan="2">30</td> <td>9.5</td> <td>13.5</td> <td>11.5</td> <td>15.5</td> </tr> <tr> <td>09 62 000 5008</td> <td>21</td> <td>10.5</td> <td>14.5</td> <td>14</td> <td>18</td> </tr> <tr> <td>09 62 000 5009</td> <td>29</td> <td rowspan="2">40</td> <td>15</td> <td>20</td> <td>17</td> <td>20.5</td> </tr> <tr> <td>09 62 000 5010</td> <td>29</td> <td>15</td> <td>20</td> <td>20</td> <td>25</td> </tr> <tr> <td>09 62 000 5011</td> <td>36</td> <td rowspan="2">50</td> <td>18</td> <td>25.5</td> <td>24</td> <td>28</td> </tr> <tr> <td>09 62 000 5012</td> <td>36</td> <td>24</td> <td>31</td> <td>27</td> <td>32</td> </tr> </tbody> </table> 	SW	Shield Ø B		cable Ø D		min.	max.	min.	max.	20	2.5	6.5	4	6.5	20	3.5	8.5	6.5	8.5	22	6.5	10.5	8	10.5	09 62 000 5003	13.5	22	2.5	6.5	6.5	9.5	09 62 000 5004	13.5	6.5	10.5	9	13	09 62 000 5005	16	24	3.5	8	6.5	9.5	09 62 000 5006	16	4.5	8	9	13	09 62 000 5007	21	30	9.5	13.5	11.5	15.5	09 62 000 5008	21	10.5	14.5	14	18	09 62 000 5009	29	40	15	20	17	20.5	09 62 000 5010	29	15	20	20	25	09 62 000 5011	36	50	18	25.5	24	28	09 62 000 5012	36	24	31	27	32		
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Bracket for flat cable for separate mounting 	09 00 000 5325																																																																																													
Set of seals with strain relief clamp 	for 1 flat cable 09 00 000 5315	—																																																																																												
	for 2 flat cables 09 00 000 5316	—																																																																																												
	for 3 flat cables 09 00 000 5317	—																																																																																												

Identification	Part No.	Pg	Drawing	Dimensions in mm																								
Increasers metal 	09 00 000 5050	11	<table border="1"> <tr><th>P</th></tr> <tr><td>13.5</td></tr> <tr><td>16</td></tr> <tr><td>21</td></tr> <tr><td>29</td></tr> <tr><td>36</td></tr> <tr><td>42</td></tr> <tr><td>48</td></tr> </table> 	P	13.5	16	21	29	36	42	48																	
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Reducers metal 	09 00 000 5060	11	<table border="1"> <tr><th>P</th><th>SW</th></tr> <tr><td>7</td><td>20</td></tr> <tr><td>9</td><td>20</td></tr> <tr><td>9</td><td>22</td></tr> <tr><td>11</td><td>22</td></tr> <tr><td>16</td><td>24</td></tr> <tr><td>21</td><td>30</td></tr> <tr><td>13.5</td><td>30</td></tr> <tr><td>16</td><td>30</td></tr> <tr><td>29</td><td>40</td></tr> <tr><td>21</td><td>40</td></tr> <tr><td>29</td><td>50</td></tr> </table> 	P	SW	7	20	9	20	9	22	11	22	16	24	21	30	13.5	30	16	30	29	40	21	40	29	50	
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09 00 000 5067	29																											
09 00 000 5068	29																											
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Blanking piece metal 	09 00 000 5070	11	<table border="1"> <tr><th>SW</th></tr> <tr><td>20</td></tr> <tr><td>22</td></tr> <tr><td>24</td></tr> <tr><td>30</td></tr> <tr><td>40</td></tr> <tr><td>50</td></tr> <tr><td>57</td></tr> </table> 	SW	20	22	24	30	40	50	57																	
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IP 65 sealing screw (M3) for Han 3A, 4A, Q5/0, 7D, 8U 	09 20 000 9918																											
Label according to CSA-approval 	09 30 000 9958		When supplying connectors for use at more than 30 V subject to CSA-approval we recommend that the label is fixed in close proximity to the installed connectors. Dimensions: 56 x 18 mm Part No. comprises 50 labels per sheet																									

Identification	Part No.	Drawing	Dimensions in mm
<p>Coding system with code pins</p> <p>Standard </p> <p>Han-Modular </p>	<p>09 30 000 9901¹⁾</p> <p>09 14 000 9901¹⁾</p>	<p>for hoods/housings with one insert/one frame</p>  <p>for hoods/housings with two inserts/two frames</p>  <p>● Code pins ○ Normal mounting screw</p> <p>M – Male connector F – Female connector</p>	
<p>Coding system with guide pins and bushes</p> <p>Guide pin</p> <p>Standard </p> <p>Han-Modular </p> <p>Bush</p> <p>Standard </p> <p>Han-Modular </p> <p>¹⁾ Order 4 pieces for one connector</p>	<p>09 33 000 9909</p> <p>09 33 000 9908¹⁾</p> <p>09 14 000 9908¹⁾</p> <p>09 33 000 9909¹⁾</p> <p>09 14 000 9909¹⁾</p>	<p>This system is used to guard against angled coupling and decoupling of the connector. The maximum permitted angle according to DIN 43 652 is $\pm 5^\circ$ (longitudinally).</p>  <p>09 33 000 9909</p> <p>09 33 000 9908</p> <p>for hoods/housings with one insert/one frame</p>  <p>for hoods/housings with two inserts/two frames</p>  <p>● Guide pin ○ Bush + Normal mounting screw</p> <p>M – Male connector F – Female connector</p>	<p>Accessories Hoods/Housings</p>

