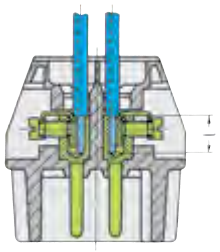
Termination details for inserts

Screw termination

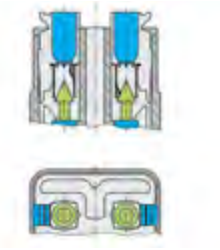
Han A®
Han E®
Han-Com®
Han Hv E®
Han® HsB
Staf®
Han-Modular®



Inserts	Max. cross-section / wire gauge		Stripping length l
	(mm²)	AWG	(mm)
Han® 3 A; Han® 4 A	1.5	16	4.5
Han E®; Han® K; Han A®; Han HvE®	2.5	14	7.0
Han® HsB	6.0	10	11.5
Staf®	1.5	16	4.0
Han® K 4/x (80 A)	16.0	5	14.0
Han E® screw module	2.5	14	7.0

Quick Lock termination

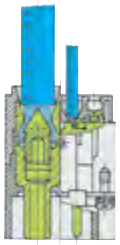
Han A®
Han® Q
Han-Modular®
Han D®



Inserts	Max. cross-section / wire gauge		Stripping length l
	(mm²)	AWG	(mm)
Han A®; Han® Q; Han-Modular® EE	0.5 … 2.5	20 … 14	10
Han A®; Han D®	0.25 … 1.5	24 … 16	8

Axial screw termination

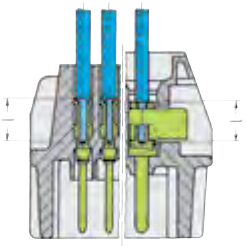
Han® K
Han-Modular®



Inserts	Geometric cross-section / wire gauge		Stripping length l
	(mm²)	AWG	(mm)
Han® K 6/12 (40 A)	2.5 … 10	13 … 7	8 … 9
Han® K 4/4 (70 A)	6.0 … 16	8 … 6	11
Han® K 6/6 (100 A)	16.0 … 35	5 … 2	13 … 14
Han® 40 A module	2.5 … 10	14 … 8	5 … 11
Han® 70 A module	6.0 … 22	8 … 4	11 … 12.5
Han® 100 A module	10.0 … 38	6 … 2	13
Han® 200 A module	25.0 … 70	2 … 0	16
Han® C Axial module	2.5 … 10	14 … 8	5 … 11

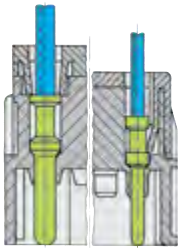
Crimp termination

Han DD®
Han D®
R 15
Han-Modular® (10 A)



Han E®
Han A®
Han Hv E®

Han-Com®
Han-Modular® (40 A)



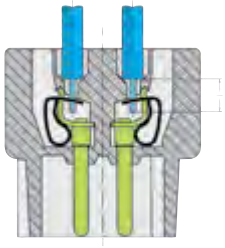
Han E®
Han A®
Han Hv E®
Han® EE
Han-Modular® (16 A)
Han® EEE

Max. cross-section / wire gauge		Internal diameter	Stripping length l (mm)		
(mm²)	AWG	Ø (mm)	Han DD® Han D® R 15 Han-Modular® (10 A)	Han E® Han A® Han Hv E®	Han® C
0.14 … 0.37	26 … 22	0.9	8	–	–
0.5	20	1.15	8	7.5	–
0.75	18	1.3	8	7.5	–
1.00	18	1.45	8	7.5	–
1.5	16	1.75	8	7.5	9
2.5	14	2.25	6	7.5	9
4.0	12	2.85	–	7.5	9.6
6.0	10	3.5	–	–	9.6
10.0	8	4.1	–	–	15 *
* … stripping length 18 mm for cable 6.4 … 7.5 mm					

Termination details for inserts

Cage clamp termination

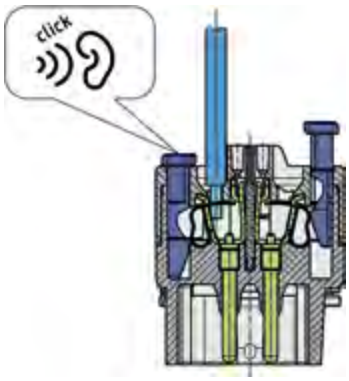
Han® ES
Han® Hv ES
Han® ESS
Han® Com
Han-Modular®



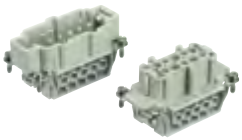
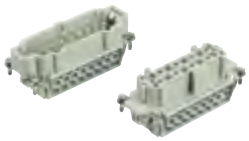
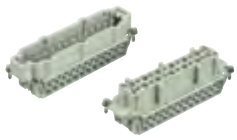
Inserts	max. cross-section / wire gauge		Stripping length l
	(mm²)	AWG	(mm)
Han® ES; Han® Hv ES	0.14 … 2.5	26 … 14	7 … 9
Han® ESS	0.14 … 2.5	26 … 14	9 … 11
Han® K 4/4	0.14 … 2.5	26 … 14	7 … 9
Han® ES module	0.14 … 2.5	26 … 14	7 … 9

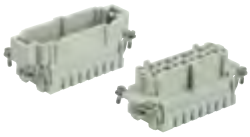
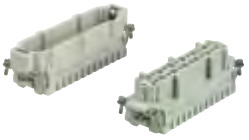
Cage clamp termination

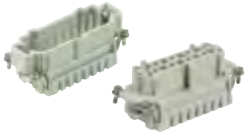
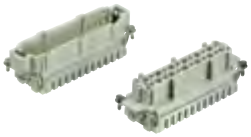
Han® ES Press



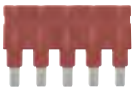
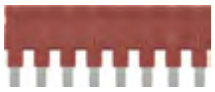
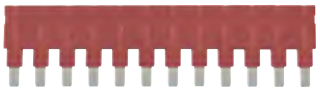
Inserts	max. cross-section / wire gauge		Stripping length l
	(mm²)	AWG	(mm)
Han® ES Press	0.14 … 2.5	26 … 14	9 … 11

Series	Han E®			
Number of contacts	6 + ⏚	10 + ⏚	16 + ⏚	24 + ⏚
Termination type	Screw termination	Screw termination	Screw termination	Screw termination
Size	Han® 6 B	Han® 10 B	Han® 16 B	Han® 24 B
				
Electrical data acc. to DIN EN 61984	16 A 500 V 6 kV 3	16 A 500 V 6 kV 3	16 A 500 V 6 kV 3	16 A 500 V 6 kV 3
UL/CSA	600 V	600 V	600 V	600 V
Cross-section	1 … 2.5 mm²	1 … 2.5 mm²	1 … 2.5 mm²	1 … 2.5 mm²
Male insert (M)	09 33 006 2601	09 33 010 2601	09 33 016 2601	09 33 024 2601
Female insert (F)	09 33 006 2701	09 33 010 2701	09 33 016 2701	09 33 024 2701

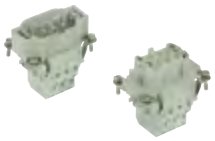
Series	Han E®			
Number of contacts	6 + ⏚	10 + ⏚	16 + ⏚	24 + ⏚
Termination type	Crimp termination	Crimp termination	Crimp termination	Crimp termination
Size	Han® 6 B	Han® 10 B	Han® 16 B	Han® 24 B
				
Electrical data acc. to DIN EN 61984	16 A 500 V 6 kV 3	16 A 500 V 6 kV 3	16 A 500 V 6 kV 3	16 A 500 V 6 kV 3
UL/CSA	600 V	600 V	600 V	600 V
Cross-section	0.5 … 4 mm²	0.5 … 4 mm²	0.5 … 4 mm²	0.5 … 4 mm²
Male insert (M)	09 33 006 2602	09 33 010 2602	09 33 016 2602	09 33 024 2602
Female insert (F)	09 33 006 2702	09 33 010 2702	09 33 016 2702	09 33 024 2702

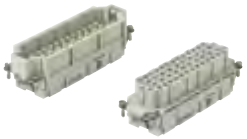
Series	Han® ES			
Number of contacts	6 + ⏚	10 + ⏚	16 + ⏚	24 + ⏚
Termination type	Cage clamp termination	Cage clamp termination	Cage clamp termination	Cage clamp termination
Size	Han® 6 B	Han® 10 B	Han® 16 B	Han® 24 B
				
Electrical data acc. to DIN EN 61984	16 A 500 V 6 kV 3	16 A 500 V 6 kV 3	16 A 500 V 6 kV 3	16 A 500 V 6 kV 3
UL/CSA	600 V	600 V	600 V	600 V
Cross-section	0.14 … 2.5 mm²	0.14 … 2.5 mm²	0.14 … 2.5 mm²	0.14 … 2.5 mm²
Male insert (M)	09 33 006 2616	09 33 010 2616	09 33 016 2616	09 33 024 2616
Female insert (F)	09 33 006 2716	09 33 010 2716	09 33 016 2716	09 33 024 2716

Series	Han® ES Press			
Number of contacts	6 + ⏚	10 + ⏚	16 + ⏚	24 + ⏚
Termination type	Cage clamp termination	Cage clamp termination	Cage clamp termination	Cage clamp termination
Size	Han® 6 B	Han® 10 B	Han® 16 B	Han® 24 B
				
Electrical data acc. to DIN EN 61984	16 A 500 V 6 kV 3	16 A 500 V 6 kV 3	16 A 500 V 6 kV 3	16 A 500 V 6 kV 3
UL/CSA	500 V	500 V	500 V	500 V
Cross-section	0.14 … 2.5 mm²	0.14 … 2.5 mm²	0.14 … 2.5 mm²	0.14 … 2.5 mm²
Male insert (M)	09 33 006 2648	09 33 010 2648	09 33 016 2648	09 33 024 2648
Female insert (F)	09 33 006 2748	09 33 010 2748	09 33 016 2748	09 33 024 2748

	Plug-in jumper 2 x 1	Plug-in jumper 1 x 2	Plug-in jumper 1 x 3	Plug-in jumper 1 x 5	Plug-in jumper 1 x 8	Plug-in jumper 1 x 12
						
red	09 33 000 9820	09 33 000 9830	09 33 000 9831	09 33 000 9833	09 33 000 9836	09 33 000 9840
blue	09 33 000 9821	09 33 000 9841	09 33 000 9842	09 33 000 9844	09 33 000 9847	09 33 000 9851
black	09 33 000 9822	09 33 000 9852	09 33 000 9853	09 33 000 9855	09 33 000 9858	09 33 000 9862

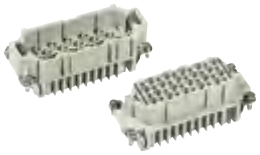
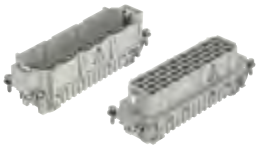
Inserts Han® ESS / Han® EE / Han® EEE

Series	Han® ESS			
Number of contacts	6 + ⏚	10 + ⏚	16 + ⏚	24 + ⏚
Termination type	Cage clamp termination	Cage clamp termination	Cage clamp termination	Cage clamp termination
Size	Han® 6 B	Han® 10 B	Han® 16 B	Han® 24 B
				
Electrical data acc. to DIN EN 61984	16 A 500 V 6 kV 3	16 A 500 V 6 kV 3	16 A 500 V 6 kV 3	16 A 500 V 6 kV 3
UL/CSA	600 V	600 V	600 V	600 V
Cross-section	0.14 … 2.5 mm²	0.14 … 2.5 mm²	0.14 … 2.5 mm²	0.14 … 2.5 mm²
Male insert (M)	09 33 006 2672	09 33 010 2672	09 33 016 2672	09 33 024 2672
Female insert (F)	09 33 006 2772	09 33 010 2772	09 33 016 2772	09 33 024 2772

Series	Han® EE			
Number of contacts	10 + ⏚	18 + ⏚	32 + ⏚	46 + ⏚
Termination type	Crimp termination	Crimp termination	Crimp termination	Crimp termination
Size	Han® 6 B	Han® 10 B	Han® 16 B	Han® 24 B
				
Electrical data acc. to DIN EN 61984	16 A 500 V 6 kV 3	16 A 500 V 6 kV 3	16 A 500 V 6 kV 3	16 A 500 V 6 kV 3
UL/CSA	600 V	600 V	600 V	600 V
Cross-section	0.5 … 4 mm²	0.5 … 4 mm²	0.5 … 4 mm²	0.5 … 4 mm²
Male insert (M)	09 32 010 3001	09 32 018 3001	09 32 032 3001	09 32 046 3001
Female insert (F)	09 32 010 3101	09 32 018 3101	09 32 032 3101	09 32 046 3101

Series	Han® EEE			
Number of contacts	40 + ⏚	64 + ⏚		
Termination type	Crimp termination	Crimp termination		
Size	Han® 16 B	Han® 24 B		
				
Electrical data acc. to DIN EN 61984	16 A 500 V 6 kV 3	16 A 500 V 6 kV 3		
UL/CSA	600 V	600 V		
Cross-section	0.14 … 4 mm²	0.14 … 4 mm²		
Male insert (M)	09 32 040 3001	09 32 064 3001		
Female insert (F)	09 32 040 3101	09 32 064 3101		

Series	Han D®			
Number of contacts	7 + ⏚	7 + ⏚	8	8
Termination type	Crimp termination	Quick Lock termination	Crimp termination	Quick Lock termination
Size	Han® 3 A*	Han® 3 A*	Han® 3 A	Han® 3 A
				
Electrical data acc. to DIN EN 61984	10 A 250 V 4 kV 3	10 A 250 V 4 kV 3	10 A 50 V 4 kV 3	10 A 50 V 0,8 kV 3
UL/CSA	600 V	600 V	50 V	50 V
Cross-section	0.14 … 2.5 mm²	0.25 … 1.5 mm²	0.14 … 2.5 mm²	0.25 … 1.5 mm²
Male insert (M)	09 21 007 3031	09 21 007 2632	09 36 008 3001	09 36 008 2632
Female insert (F)	09 21 007 3131	09 21 007 2732	09 36 008 3101	09 36 008 2732

Series	Han D®			
Number of contacts	15 + ⏚	25 + ⏚	40 + ⏚	64 + ⏚
Termination type	Crimp termination	Crimp termination	Crimp termination	Crimp termination
Size	Han® 10 A	Han® 16 A	Han® 16 B	Han® 24 B
				
Electrical data acc. to DIN EN 61984	10 A 250 V 4 kV 3	10 A 250 V 4 kV 3	10 A 250 V 4 kV 3	10 A 250 V 4 kV 3
UL/CSA	600 V	600 V	600 V	600 V
Cross-section	0.14 … 2.5 mm²	0.14 … 2.5 mm²	0.14 … 2.5 mm²	0.14 … 2.5 mm²
Male insert (M)	09 21 015 3001	09 21 025 3001	09 21 040 3001	09 21 064 3001
Female insert (F)	09 21 015 3101	09 21 025 3101	09 21 040 3101	09 21 064 3101

Series	Han DD®			
Number of contacts	24 + ⏚	42 + ⏚	72 + ⏚	108 + ⏚
Termination type	Crimp termination	Crimp termination	Crimp termination	Crimp termination
Size	Han® 6 B	Han® 10 B	Han® 16 B	Han® 24 B
				
Electrical data acc. to DIN EN 61984	10 A 250 V 4 kV 3	10 A 250 V 4 kV 3	10 A 250 V 4 kV 3	10 A 250 V 4 kV 3
UL/CSA	600 V	600 V	600 V	600 V
Cross-section	0.14 … 2.5 mm²	0.14 … 2.5 mm²	0.14 … 2.5 mm²	0.14 … 2.5 mm²
Male insert (M)	09 16 024 3001	09 16 042 3001	09 16 072 3001	09 16 108 3001
Female insert (F)	09 16 024 3101	09 16 042 3101	09 16 072 3101	09 16 108 3101

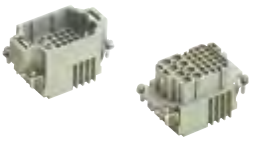
* for plastic hoods/housings only

Series	Han® 3 A	Han® 3 A Quick Lock	Han® 3 A Quick Lock	Han® 4 A
Number of contacts	3 + ⏚	3 + ⏚	3 + ⏚	4 + ⏚
Termination type	Screw termination	Quick Lock termination	Quick Lock termination	Screw termination
Size	Han® 3 A	Han® 3 A	Han® 3 A	Han® 3 A
				
Rated current	10 A	10 A	10 A	10 A
Rated voltage	230/400 V	230/400 V	230/400 V	230/400 V
Cross-section	1 … 1.5 mm²	0.5 … 2.5 mm²	0.25 … 1.5 mm²	1 … 1.5 mm²
Male insert (M)	09 20 003 2611	09 20 003 2633	09 20 003 2634	09 20 004 2611
Female insert (F)	09 20 003 2711	09 20 003 2733	09 20 003 2734	09 20 004 2711

Series	Han® 4 A Quick Lock	Han® 4 A Quick Lock	
Number of contacts	4 + ⏚	4 + ⏚	6 + ⏚
Termination type	Quick Lock termination	Quick Lock termination	IDC termination
Size	Han® 3 A	Han® 3 A	Han® 3 A
			
Rated current	10 A	10 A	10 A 230/400 V 4 kV 3
Rated voltage	230/400 V	230/400 V	600 V
Cross-section	0.5 … 2.5 mm²	0.25 … 1.5 mm²	0.75 … 1.5 mm²
Male insert (M)	09 20 004 2633	09 20 004 2634	09 20 003 0440
Female insert (F)	09 20 004 2733	09 20 004 2734	09 20 003 0445

Series	Han® 10 A	Han® 10 A	Han® 16 A	Han® 16 A
Number of contacts	10 + ⏚	10 + ⏚	16 + ⏚	16 + ⏚
Termination type	Screw termination	Crimp termination	Screw termination	Crimp termination
Size	Han® 10 A	Han® 10 A	Han® 16 A	Han® 16 A
				
Electrical data acc. to DIN EN 61984 UL/CSA	16 A 250 V 4 kV 3 600 V	16 A 250 V 4 kV 3 600 V	16 A 250 V 4 kV 3 600 V	16 A 250 V 4 kV 3 600 V
Cross-section	1 … 2.5 mm²	0.5 … 4 mm²	1 … 2.5 mm²	0.5 … 4 mm²
Male insert (M)	09 20 010 2612	09 20 010 3001	09 20 016 2612	09 20 016 3001
Female insert (F)	09 20 010 2812	09 20 010 3101	09 20 016 2812	09 20 016 3101

Series	Han-Com®			
Number of contacts	4/0 + ⏚	4/2 + ⏚	4/4 + ⏚	4/8 + ⏚
Termination type	Screw termination	Screw termination	Axial screw termination	Screw termination
Size	Han® 16 B	Han® 16 B	Han® 10 B	Han® 24 B
				
Electrical data acc. to DIN EN 61984				
Power contacts	80 A 830 V 8 kV 3	80 A 830 V 8 kV 3	63 A 690 V 6 kV 3	80 A 400 V 6 kV 3
Control contacts	–	16 A 400 V 6 kV 3	16 A 230 V 4 kV 3	16 A 400 V 6 kV 3
Cross-section Power contacts	1.5 … 16 mm²	1.5 … 16 mm²	6 … 16 mm²	1.5 … 16 mm²
Control contacts		0.5 … 2.5 mm²	0.14 … 2.5 mm²	0.5 … 2.5 mm²
Male insert (M)	09 38 006 2611	09 38 006 2601	09 38 008 2601	09 38 012 2601
Female insert (F)	09 38 006 2711	09 38 006 2701	09 38 008 2701	09 38 012 2701

Series	Han-Com®			
Number of contacts	6/6 + ⏚	6/12 + ⏚	8/0 + ⏚	8/24 + ⏚
Termination type	Axial screw termination	Axial screw termination	Axial screw termination	Crimp termination
Size	Han® 24 B	Han® 16 B	Han® 24 B	Han® 10 B
				
Electrical data acc. to DIN EN 61984				
Power contacts	100 A 690 V 8 kV 3	40 A 690 V 8 kV 3	100 A 690 V 8 kV 3	16 A 230/400 V 4 kV 3
Control contacts	16 A 400 V 6 kV 3	10 A 230/400 V 4 kV 3	–	10 A 160 V 2.5 kV 3
Cross-section Power contacts	16 … 35 mm²	2.5 … 8 mm²	10 … 25 mm²	0.5 … 4 mm²
Control contacts	0.2 … 2.5 mm²	0.2 … 2.5 mm²		0.14 … 2.5 mm²
Male insert (M)	09 38 012 2651	09 38 018 2601	09 38 008 2653	09 38 032 3001
Female insert (F)	09 38 012 2751	09 38 018 2701	09 38 008 2753	09 38 032 3101

Series	Han-Com®			Han® HsB
Number of contacts	12/2 + ⏚	6/36 + ⏚		6 + ⏚
Termination type	Crimp termination	Crimp termination		Screw termination
Size	Han® 16 B	Han® 16 B		Han® 16 B
				
Electrical data acc. to DIN EN 61984				
Power contacts	40 A 690 V 8 kV 3	40 A 690 V 8 kV 3		35 A 500 V 6 kV 3
Control contacts	10 A 250 V 4 kV 3	10 A 160 V 2.5 kV 3		
Cross-section Power contacts	1.5 … 6 mm²	1.5 … 6 mm²		1.5 … 6 mm²
Control contacts	0.14 … 2.5 mm²	0.14 … 2.5 mm²		
Male insert (M)	09 32 012 3001	09 38 042 3001		09 31 006 2601
Female insert (F)	09 32 012 3101	09 38 042 3101		09 31 006 2701

Inserts Han® Q for size Han® 3 A

Series	Han® Q 2/0	Han® Q 2/0	Han® Q 2/0	Han® Q 2/0
Number of contacts	2 + ⏚	2 + ⏚	2 + ⏚	2 + ⏚
Termination type	Axial screw termination	Axial screw termination	Axial screw termination	Axial screw termination
				
Rated current	40 A	40 A	40 A	40 A
Rated voltage	400 V	830 V	400 V	830 V
Cross-section	4 … 10 mm²	4 … 10 mm²	2.5 … 6 mm²	2.5 … 6 mm²
Male insert (M)	09 12 002 2651	09 12 002 2652	09 12 002 2653	09 12 002 2654
Female insert (F)	09 12 002 2751	09 12 002 2752	09 12 002 2753	09 12 002 2754

Series	Han® Q 2/0	Han® Q 2/0	Han® Q 2/0	Han® Q 2/0
Number of contacts	2 + ⏚	2 + ⏚	2 + ⏚	2 + ⏚
Termination type	Axial screw termination	Axial screw termination	Crimp termination	Crimp termination
				
Rated current	40 A	40 A	40 A	40 A
Rated voltage	400 V	830 V	400 V	830 V
Cross-section	1.5 … 2.5 mm²	1.5 … 2.5 mm²	1.5 … 10 mm²	1.5 … 10 mm²
Male insert (M)	09 12 002 2655	09 12 002 2656	09 12 002 3051	09 12 002 3052
Female insert (F)	09 12 002 2755	09 12 002 2756	09 12 002 3151	09 12 002 3152

Series	Han® Q 3/0	Han® Q 4/0	Han® Q 5/0	Han® Q 5/0 Quick Lock
Number of contacts	3 + ⏚	4	5 + ⏚	5 + ⏚
Termination type	Crimp termination	Crimp termination	Crimp termination	Quick Lock termination
				
Rated current	40 A	40 A	16 A	16 A
Rated voltage	400 V	830 V	230/400 V	230/400 V
Cross-section	1.5 … 10 mm²	1.5 … 10 mm²	0.14 … 2.5 mm²	0.5 … 2.5 mm²
Male insert (M)	09 12 003 3051	09 12 004 3051	09 12 005 3001	09 12 005 2633
Female insert (F)	09 12 003 3151	09 12 004 3151	09 12 005 3101	09 12 005 2733

Series	Han® Q 7/0	Han® Q 12/0	Han® High Density	
Number of contacts	7 + ⏚	12 + ⏚	21	
Termination type	Crimp termination	Crimp termination/ Quick Lock termination		
				
Rated current	10 A	10 A	6,5 A	
Rated voltage	400 V	400 V	~ 50 V / – 120 V	
Cross-section	0.14 … 2.5 mm²	0.14 … 2.5 mm²	0.09 … 0.56 mm²	
Male insert (M)	09 12 007 3001	09 12 012 3001	09 12 021 3001	
Female insert (F)	09 12 007 3101	09 12 012 3101	09 12 021 3101	

Inserts Han® Q for size Han-Compact®

Series	Han® Q 4/2	Han® Q 4/2	Han® Q 4/2	Han® Q 8/0
Number of contacts	4/2 + ⏚	4/2 + ⏚	4/2 + ⏚	8 + ⏚
Termination type	Crimp termination	Axial screw termination	Axial screw termination	Crimp termination
				
Rated current Rated voltage Cross-section	40 A 400 V 1.5 … 6 mm²	40 A 400 V 2.5 … 6 mm²	40 A 400 V 4 … 10 mm²	16 A 500 V 0.14 … 4 mm²
Male insert (M)	09 12 006 3041	09 12 006 2662	09 12 006 2663	09 12 008 3001
Female insert (F)	09 12 006 3141	09 12 006 2762	09 12 006 2763	09 12 008 3101

Series	Han® Q 8/0 Quick Lock	Han® Q 8/10	Han® Q 17/0	
Number of contacts	8 + ⏚	8/10 + ⏚	17 + ⏚	
Termination type	Quick Lock termination	Han® Q Data RJ45	Crimp termination	
				
Rated current Rated voltage Cross-section	16 A 500 V 0.5 … 2.5 mm²	5 A/ 10 A 50 V / 250 V 0.13 … 0.52 mm²	10 A 160 V 0.14 … 2.5 mm²	
Male insert (M)	09 12 008 2633	09 12 011 3001	09 12 017 3001	
Female insert (F)	09 12 008 2733	09 12 011 3111	09 12 017 3101	

Hoods/Housings Han-Compact®

Identification	Size M / Pg	Hood side entry	Hood top entry	Bulkhead mounted housing side entry	Bulkhead mounted housing straight	Surface mounted housing	Cable to cable housing
							
Plastic	1 x Pg16	09 12 008 0527	09 12 008 0427			09 12 008 0901	09 12 008 0727
	1 x Pg21		09 12 008 0429				
	2 x M20	19 12 008 0425					
	1 x M25		19 12 008 0429				19 12 008 0729
	–			09 12 008 0902	09 12 008 0327		
Metal	1 x M25	19 12 008 0526*	19 12 008 0426*				
	1 x M25	19 12 708 0511	19 12 708 0411				
	–				09 12 708 0301		
EMC	1 x M25	19 12 008 0528*	19 12 008 0428*				
	1 x M25	19 12 008 0512	19 12 008 0412				
	–				09 12 008 0303		

For more hoods and housings refer to the main catalogue „Industrial Connectors Han®“, chapter 13