

HARTING歐式重載連接器

HARTING EUROPEAN HEAVY DUTY CONNECTOR

Han-Modular® Frames 連接器框架



New Hinged Frames Plus – Established products even better 新框架

100+ Suitable for more than 100 different modules

CLICK Quick and easy assembly supported by an audible "Click"

Shield Very high mechanical stability

No tools No tools for insertion and removal

PE 2 leading PE contacts

Spring mechanism enables easy handling



PE termination 0.5 - 2.5 mm²
resp. 4 - 10 mm²



Clear marking of the module position

Hinged Frames Plus

Size	Hinged frames 6 B	Hinged frames 10 B	Hinged frames 16 B	Hinged frames 24 B
Number of modules	for 2 modules	for 3 modules	for 4 modules	for 6 modules
Standard version (A ... F)	09 14 006 0361	09 14 010 0361	09 14 016 0361	09 14 024 0361
Standard version (a ... f)	09 14 006 0371	09 14 010 0371	09 14 016 0371	09 14 024 0371
Han® HMC version (A ... F)	09 14 206 0361	09 14 210 0361	09 14 216 0361	09 14 224 0361
Han® HMC version (a ... f)	09 14 206 0371	09 14 210 0371	09 14 216 0371	09 14 224 0371

Accessories

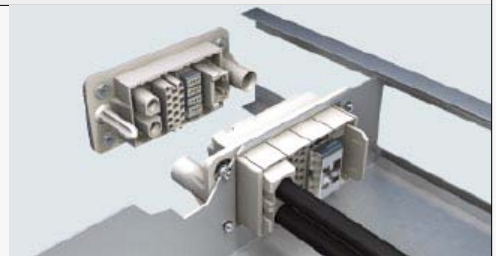
Size	PE terminal extension (cable shoe 16 mm ²)	Coding element Han® 6 B - 24 B	Guide pins / bushes Han® 6 B - 24 B	Han® 10 A frame for 1 module
Hint	for hoods/housings high construction only	6 codings	16 codings	
Part number	09 14 000 9912	09 14 000 9901	Male: 09 14 000 9908 Female: 09 14 000 9909	09 14 000 0304

* for pneumatic, optical as well as small contacts (≤ 5 A) guide pins and bushes are recommended

Docking frame

Docking frame 對接框架

- Docking connector for drawer systems
- Robust, leading guide pins and bushes
- Cost saving polycarbonate frames
- Compatible with HMC up to 10.000 mating cycles
- Large tolerance compensation of ± 2 mm play (float mount with M4 adapter plate 09 14 000 9936)



Size	Docking frames 6 B	Docking frames 10 B	Docking frames 16 B	Docking frames 24 B
Number of modules	for 2 modules	for 3 modules	for 4 modules	for 6 modules
Dimensions	65.8 x 33 mm	79.3 x 45 mm	94 x 45 mm	123.4 x 45 mm
float mounting (A ... F)	09 14 006 1701	09 14 010 1701	09 14 016 1701	09 14 024 1701
fix mounting (a ... f)	09 14 006 1711	09 14 010 1711	09 14 016 1711	09 14 024 1711

HARTING 歐式重載連接器

HARTING EUROPEAN HEAVY DUTY CONNECTOR

Power and Signal Modules – Crimp termination 動力/信號模組(壓接式)



		Han® PE module (Including crimp contact for earthing)			
PE	Number of contacts	1 x PE	1 x PE	1 x PE	
	Cross-section	35 mm ²	25 mm ²	16 mm ²	
Termination type	Crimp termination, Han® HC	Crimp termination, Han® HC	Crimp termination, Han® HC		
Male module (M)	09 14 001 3074	09 14 001 3073	09 14 001 3072		
	Female module (F)	09 14 001 3174	09 14 001 3173	09 14 001 3172	
70 - 200 A		Han® 200 A Crimp module	Han® 100 A Crimp module	Han® 100 A Single module	Han® 70 A Crimp module
	Number of contacts	1*	2*	1	2
	Electrical data	200 A / 1000 V	100 A / 1000 V	100 A / 830 V	70 A / 1000 V
	Cross-section	25 ... 70 mm ²	10 ... 35 mm ²	10 ... 35 mm ²	6 ... 25 mm ²
	Termination type	Crimp termination, Han® HC	Crimp termination, Han® HC	Crimp termination, Han® HC	Crimp termination, Han® HC
	Male module (M)	09 14 001 3001	09 14 002 3051	09 14 001 3031	09 14 002 3041
	Female module (F)	09 14 001 3101	09 14 002 3151	09 14 001 3131	09 14 002 3141
40 A		Han® 40 A Crimp module	Han® C module	Han® CC module	Han® CD module
	Number of contacts	2	3	4	3 + 4
	Electrical data	40 A / 1000 V	40 A / 690 V	40 A / 830 V	40 A + 10 A / 830 V
	Cross-section	1.5 ... 10 mm ²	1.5 ... 6 mm ²	1.5 ... 6 mm ²	0.14 ... 6 mm ²
	Termination type	Crimp termination, Han® C	Crimp termination, Han® C	Crimp termination, Han® C	Crimp, Han® C + Han D®
	Male module (M)	09 14 002 3002	09 14 003 3001	09 14 004 3041	09 14 007 3001
	Female module (F)	09 14 002 3102	09 14 003 3101	09 14 004 3141	09 14 007 3101
16 A		Han E® module	Han® EE module	Han® EEE module	Han E® Protected module
	Number of contacts	6	8	20*	6
	Electrical data	16 A / 500 V	16 A / 400 V	16 A / 500 V	16 A / 830 V
	Cross-section	0.14 ... 4 mm ²	0.14 ... 4 mm ²	0.14 ... 4 mm ²	0.14 ... 4 mm ²
	Termination type	Crimp termination, Han E®	Crimp termination, Han E®	Crimp termination, Han E®	Crimp termination, Han E®
	Male module (M)	09 14 006 3001	09 14 008 3001	09 14 020 3001	09 14 006 3041
	Female module (F)	09 14 006 3101	09 14 008 3101	09 14 020 3101	09 14 006 3141
≤ 10 A		Han DD® module	Han® DDD module	Han DD® Quad module	Han® High Density module
	Number of contacts	12	17	42*	25
	Electrical data	10 A / 250 V	10 A / 150 V	10 A / 150 V	4 A / 50 V
	Cross-section	0.14 ... 2.5 mm ²	0.14 ... 2.5 mm ²	0.14 ... 2.5 mm ²	0.08 ... 0.52 mm ²
	Termination type	Crimp termination, Han D®	Crimp termination, Han D®	Crimp termination, Han D®	Crimp termination, D-Sub
	Male module (M)	09 14 012 3002	09 14 017 3001	09 14 042 3001	09 14 025 3001
	Female module (F)	09 14 012 3102	09 14 017 3101	09 14 042 3101	09 14 025 3101
High Voltage		Han® HV module 40 A	Han® HV module 16 A	Han® HV single module	Han® Dummy module to fill-up empty module places
	Number of contacts	2*	2*	2	
	Electrical data	40 A / 2900/5000 V	16 A / 2900/5000 V	16 A / 2500 V	
	Cross-section	1.5 ... 10 mm ²	0.14 ... 4 mm ²	0.14 ... 4 mm ²	
	Termination type	Crimp termination, Han® C	Crimp termination, Han E®	Crimp termination, Han E®	
	Male module (M)	09 14 002 3023	09 14 002 3021	09 14 002 3025	
	Female module (F)	09 14 002 3123	09 14 002 3121	09 14 002 3125	09 14 000 9950

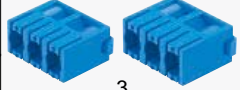























* Double module, requires two places in the frame

HARTING歐式重載連接器

HARTING EUROPEAN HEAVY DUTY CONNECTOR

Data Transfer Modules 數據訊號傳輸模組



Han® RJ45 module	for patch cable	for IDC	for patch cable	Han® Pneumatic module metal  3 3, 4, 6 mm 09 14 003 3501 09 14 003 3501	
	- 8 contacts - cat. 6A - 10 Gbit/s				
	Male module (M) 09 14 001 4623	Male module (M) 09 14 001 4623	Female module (F) 09 14 001 4721		
	Adapter for patch cable: 09 14 000 9966	RJ Industrial IDC: 09 45 400 1560			
Part numbers	Patch cable cat. 6: 09 47 474 71xx				
Han-Quintax® Modules	Han-Quintax®	Han® High Density Quintax	Han D® Coax	Han E® Coax	
					
	Number of contacts	2 x 4*	2 x 8*	2 x Coax*	2 x Coax*
	Male module (M)	09 14 002 3001	09 14 002 3001	09 14 002 3001	09 14 002 3001
	Female module (F)	09 14 002 3101	09 14 002 3101	09 14 002 3101	09 14 002 3101
	Insert (Cable Ø ≤ 9.5 mm)				
	Data rate	100 Mbit/s (cat. 5e)	100 Mbit/s (cat. 5e)	≤ 500 Mhz / 75 Ω	≤ 500 Mhz / 50 Ω
	Electrical data	10 A / 50 V	5 A / 50 V	10 A / 50 V	16 A / 50 V
	Cross-section	0.14 ... 2.5 mm ²	0.09 ... 0.52 mm ²	0.14 ... 2.5 mm ²	0.14 ... 4 mm ²
	Termination type	Crimp termination, Han D®	Crimp termination, D-Sub	Crimp termination, Han D®	Crimp termination, Han E®
Male insert (M)	09 15 004 3013	09 15 008 3013	09 15 001 3013	09 15 001 3023	
Female insert (F)	09 15 004 3113	09 15 008 3113	09 15 001 3113	09 15 001 3123	
PE shielding termination	Optional shielding termination to the hinged frame with the aid of Han-Quintax® metal adapter 09 14 000 9915				
Han® GigaBit – Han® MegaBit Modules	Han® GigaBit module	Han® MegaBit module with 2 cable entries	Han® MegaBit module with 1 cable entry	Han® SC module	
				 4	
	Adapter Module				
	Male module (M)	09 14 001 3011	09 14 001 3011	09 14 001 3011	09 14 004 4701
	Female module (F)	09 14 001 3111	09 14 001 3111	09 14 001 3111	09 14 004 4711
	Insert (Cable Ø ≤ 14 mm)				
	Number of contacts	8	2 x 4	8	20 10 001 5211
	Data rate	10 Gbit/s (cat. 6A)	2 x 100 Mbit/s (cat. 5e)	1 Gbit/s (cat. 5e)	20 10 001 5217
	Electrical data	5 A / 50 V	10 A / 50 V	10 A / 50 V	20 10 230 5211
	Cross-section	0.09 ... 0.52 mm ²	0.14 ... 2.5 mm ²	0.14 ... 2.5 mm ²	20 10 125 5211
Termination type	Crimp termination, D-Sub	Crimp termination, Han D®	Crimp termination, Han D®	20 10 125 5220	
Shielding termination	Crimp flange	2 x crimp flange	Crimp flange		
Male insert (M)	09 14 008 3011	09 14 008 3016	09 14 008 3021		
Female insert (F)	09 14 008 3111	09 14 008 3116	09 14 008 3121		
	with PE shielding termination	with PE shielding termination	with PE shielding termination		
Male insert (M)	09 14 008 3012	09 14 008 3017	09 14 008 3022		
Female insert (F)	09 14 008 3112	09 14 008 3117	09 14 008 3122		
Serial Bus Modules	Han D-Sub module	Han® USB module	Han® FireWire module	Han® ID CAN module	
					
	Number of contacts	9 + shielding	8	6	7
	Data rate	12 Mbit/s (Profibus)	5 Gbit/s (USB 3.0)	400 Mbit/s (IEEE 1394a)	1 Mbit/s (CAN bus)
	Electrical data	5 A / 50 V	1 A / 50 V	1 A / 50 V	24 V
Cross-section	0.09 ... 0.52 mm ²			0.13 ... 1.5 mm ²	
Termination type	Crimp termination, D-Sub	USB patch cable	FireWire patch cable	Cage clamp termination	
Male module (M)	09 14 009 3001	09 14 001 4601	09 14 001 4611	09 80 015 0100	
Female module (F)	09 14 009 3101	09 14 001 4703	09 14 001 4711	09 80 115 0200	

* Double module, requires two places in the frame

HARTING歐式重載連接器

HARTING EUROPEAN HEAVY DUTY CONNECTOR

Crimp Contacts and Crimping Tools 壓接針/壓接工具



5 A - D-Sub	Cross-section / Wire gauge				male	female	male	female
	(mm ²)	(AWG)			(gold plated)	(gold plated)	(HMC gold plated)	(HMC gold plated)
	0.09 - 0.25	28 - 24						
	0.13 - 0.33	26 - 22			09 67 000 7576	09 67 000 7476	09 67 000 7570	09 67 000 7470
	0.25 - 0.52	24 - 20			09 67 000 5576	09 67 000 5476	09 67 000 5570	09 67 000 5470
					09 67 000 8576	09 67 000 8476	09 67 000 8570	09 67 000 8470

10 A - Han D®	Cross-section / Wire gauge		male	female	male	female	male	female
	(mm ²)	(AWG)	(silver plated)	(silver plated)	(gold plated)	(gold plated)	(HMC gold plated)	(HMC gold plated)
	0.14 - 0.37	26 - 22						
	0.5	20	09 15 000 6104	09 15 000 6204	09 15 000 6124	09 15 000 6224	09 15 200 6124	09 15 200 6224
	0.75	18	09 15 000 6103	09 15 000 6203	09 15 000 6123	09 15 000 6223	09 15 200 6123	09 15 200 6223
	1	18	09 15 000 6105	09 15 000 6205	09 15 000 6125	09 15 000 6225	09 15 200 6125	09 15 200 6225
	1.5	16	09 15 000 6102	09 15 000 6202	09 15 000 6122	09 15 000 6222	09 15 200 6122	09 15 200 6222
	2.5	14	09 15 000 6101	09 15 000 6201	09 15 000 6121	09 15 000 6221	09 15 200 6121	09 15 200 6221
			09 15 000 6106	09 15 000 6206	09 15 000 6126	09 15 000 6226	09 15 200 6126	09 15 200 6226

16 A - Han E®	Cross-section / Wire gauge		male	female	male	female	male	female
	(mm ²)	(AWG)	(silver plated)	(silver plated)	(gold plated)	(gold plated)	(HMC gold plated)	(HMC gold plated)
	0.14 - 0.37	26 - 22						
	0.5	20	09 33 000 6127	09 33 000 6227	09 33 000 6117	09 33 000 6217	09 33 200 6117	09 33 200 6217
	0.75	18	09 33 000 6121	09 33 000 6221	09 33 000 6122	09 33 000 6222	09 33 200 6122	09 33 200 6222
	1	18	09 33 000 6114	09 33 000 6214	09 33 000 6115	09 33 000 6215	09 33 200 6115	09 33 200 6215
	1.5	16	09 33 000 6105	09 33 000 6205	09 33 000 6118	09 33 000 6218	09 33 200 6118	09 33 200 6218
	2.5	14	09 33 000 6104	09 33 000 6204	09 33 000 6116	09 33 000 6216	09 33 200 6116	09 33 200 6216
	3	12	09 33 000 6102	09 33 000 6202	09 33 000 6123	09 33 000 6223	09 33 200 6123	09 33 200 6223
	4	12	09 33 000 6106	09 33 000 6206				
			09 33 000 6107	09 33 000 6207	09 33 000 6119	09 33 000 6221	09 33 200 6119	09 33 200 6221

40 A - Han® C	Cross-section / Wire gauge		male	female			male	female
	(mm ²)	(AWG)	(silver plated)	(silver plated)			(HMC gold plated)	(HMC gold plated)
	1.5	16						
	2.5	14	09 32 000 6104	09 32 000 6204			09 32 200 6114	09 32 200 6224
	4	12	09 32 000 6105	09 32 000 6205			09 32 200 6115	09 32 200 6225
	6	10	09 32 000 6107	09 32 000 6207			09 32 200 6117	09 32 200 6227
	10	8	09 32 000 6108	09 32 000 6208			09 32 200 6118	09 32 200 6228
			09 32 000 6109	09 32 000 6209			09 32 200 6119	09 32 200 6229

壓接工具 Crimping tools	Crimping tools acc. to IEC 60352-2	09 99 000 0501	09 99 000 0021	09 99 000 0110	09 99 000 0303	09 99 000 0377	09 99 000 0888
	Contacts / cross-section [mm ²]	D-Sub / 0.09 ... 0.52	Han D® / 0.14 ... 1.5 Han E® / 0.5 ... 2.5	Han D® / 0.14 ... 1.5 Han E® / 0.5 ... 4.0 Han® C / 1.5 ... 4.0			Han D® / 0.14 ... 2.5 Han E® / 0.14 ... 4.0 Han® C / 1.5 ... 4.0

壓接端子的插入 / 拆卸工具	Identification	mm ²	Part number	Depiction
		Insertion tool for crimp contacts small cross-section, variable length of blade Han D®, Han E®, Han-Yellock® When using cross-sections below 0.75 mm ² an insertion tool for inserting the contact into the insert is recommended.		09 99 000 0847
	Han D®, Removal tool for crimp contacts		09 99 000 0012	
	Han® C, Removal tool for crimp contacts	1.5 - 6 10	09 99 000 0305 09 99 000 0381	
	Han E®, Removal tool for crimp contacts		09 99 00 0319	
	D-Sub, Insertion / removal tool for crimp contacts		09 99 000 0368	