Han® Hv ES / Han® Hv E

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Difference: Han Hv E to Standard Hoods/Housings	04.28

Specifications	DIN VDE 0627 DIN VDE 0110
Approvals	ⓤⓛ, ⓒⓢ, SEV

Inserts

Number of contacts	3, 6, 10, 12 (2 x 6), 20 (2 x 10) + PE + 2 additional contacts for safe high voltage connections
Working current (see current carrying capacity)	16 A max.
Working voltage	750 V
- Relay contacts	400 V
Test voltage U_{rms}	3 kV
Insulation group	C
Insulation resistance	$\geq 10^{10}\ \Omega$
Material	Polycarbonate
Temperature range	- 40 °C … +125 °C
Flammability acc. to UL 94	V 0
Mechanical working life	
- Mating cycles	≥ 500
Working voltage acc. to UL/CSA	600 V
- Relay contacts	250 V

Contacts

Material	copper alloy
Surface	
- hard-silver plated	3 µm Ag
Contact resistance	≤ 3 mΩ
Cage-clamp terminal	
- mm²	0.14 - 2.5 mm²
- AWG	26 - 14

Hoods/Housings

Material	die cast aluminium
Surface	powder-coated RAL 7037
Locking element	steel, zinc plated/Han-Easy Lock®
Hoods/Housings sealing	NBR
Temperature range	- 40 °C … +125 °C
Degree of protection acc. to DIN 40 050 for coupled connector	IP 65
Further selection of hoods/housings	chapter 30

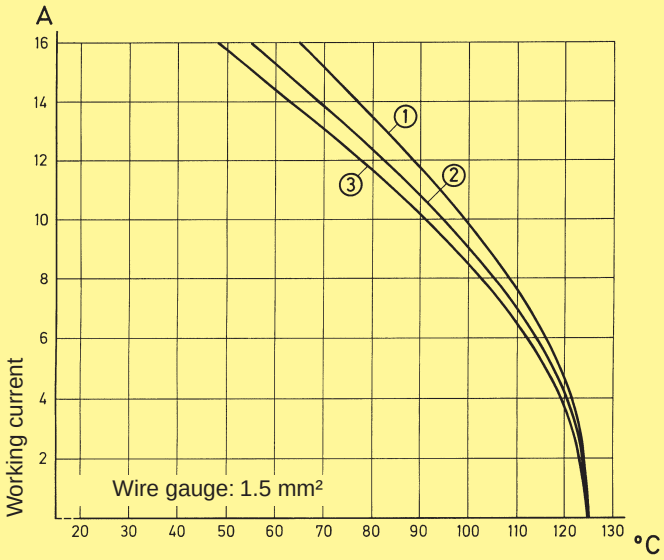
Accessories

Cable clamps	chapter 40
Coding of hoods/housings	chapter 40
Label acc. to CSA-approval	chapter 40
Han-Snap	chapter 11

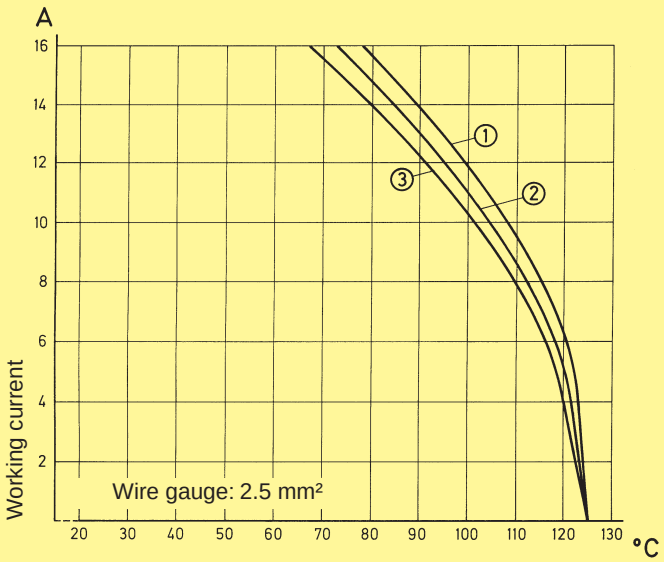
Current carrying capacity

The current carrying capacity is limited by maximum temperature of materials for inserts and contacts including terminals. The current capacity-curve is valid for continuous, not interrupted current-loaded contacts of connectors when simultaneous power on all contacts is given, without exceeding the maximum temperature.

Control and test procedures according to DIN IEC 60 512-3.



Ambient temperature



Ambient temperature

① Han 3 Hv ES
② Han 6 Hv ES
③ Han 10 Hv ES

Specifications	DIN VDE 0627 DIN VDE 0110
Approvals	UL, CSA, SEV

Inserts

Number of contacts	3, 6, 10, 12 (2 x 6), 16, 20 (2 x 10), 26 (10 + 16), 32 (2 x 16) + PE + 2 additional contacts for safe high voltage connections
Working current (see current carrying capacity)	16 A max.
Working voltage	660 V
- Relay contacts	400 V
Test voltage U_{rms}	3 kV
Insulation group	C
Insulation resistance	$\geq 10^{10}\ \Omega$
Material	Polycarbonate
Temperature range	- 40 °C … +125 °C
Flammability acc. to UL 94	V 0
Mechanical working life	
- Mating cycles	≥ 500
Working voltage acc. to UL/CSA	600 V
- Relay contacts	250 V

Contacts

Material	copper alloy
Surface	
- hard-silver plated	3 µm Ag
Contact resistance	≤ 1 mΩ
Crimp terminal	
- mm²	0.5 - 4 mm²
- AWG	20 - 12
Screw terminal	
- mm²	2.5 mm²
- AWG	14
- Tightening/test torque	0.5 Nm

Hoods/Housings

Material	die cast aluminium
Surface	powder-coated RAL 7037
Locking element	steel, zinc plated/Han-Easy Lock®
Hoods/Housings sealing	NBR
Temperature range	- 40 °C … +125 °C
Degree of protection acc. to DIN 40 050 for coupled connector	IP 65

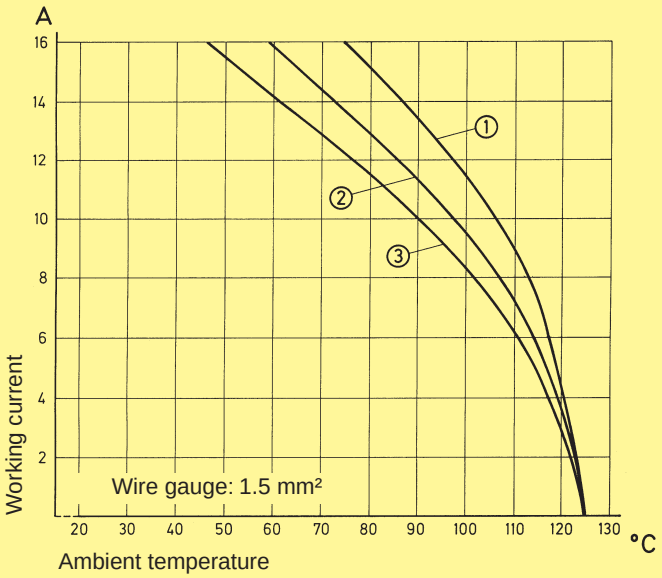
Accessories

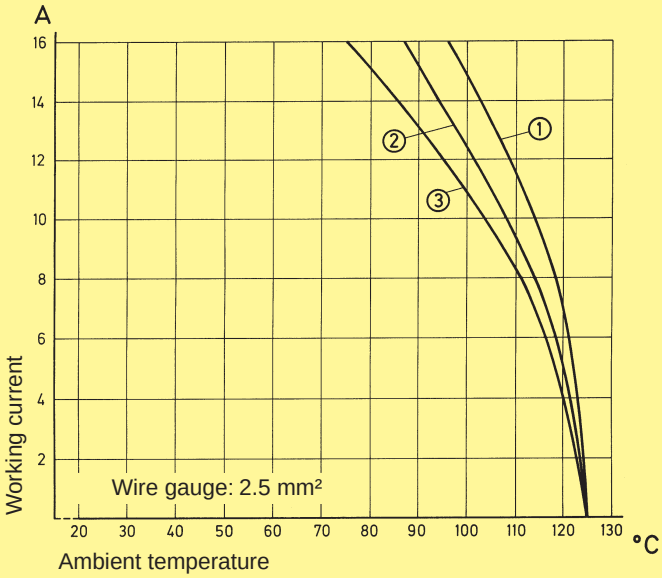
Crimping tools	chapter 12
Cable clamps	chapter 40
Coding of Hoods/Housings	chapter 40
Label acc. to CSA-approval	chapter 40
Han-Snap	chapter 11

Current carrying capacity

The current carrying capacity is limited by maximum temperature of materials for inserts and contacts including terminals. The current capacity-curve is valid for continuous, not interrupted current-loaded contacts of connectors when simultaneous power on all contacts is given, without exceeding the maximum temperature.

Control and test procedures according to DIN IEC 60 512-3.





① Han 3 Hv E
② Han 6 Hv E
③ Han 10 Hv E
Han 16 Hv E

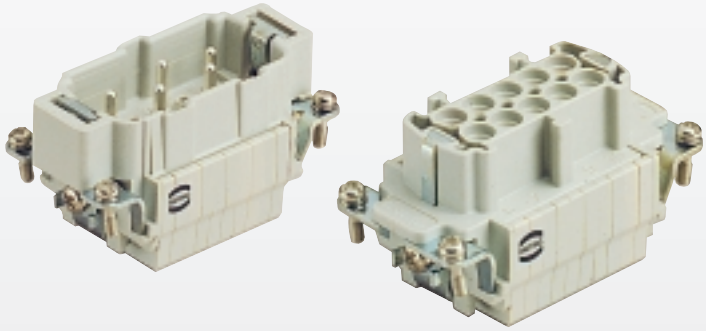
For a fully equipped crimp connector the following contacts are required:

Type	Female contacts	Operating contacts	Relay contacts
Han 3 Hv E	5	3	2
Han 6 Hv E	8	6	2
Han 10 Hv E	12	10	2
Han 12 Hv E	16	12	4
Han 16 Hv E	18	18	–
Han 20 Hv E	24	20	4
Han 26 Hv E	30	28	2
Han 32 Hv E	36	36	–

Number of contacts

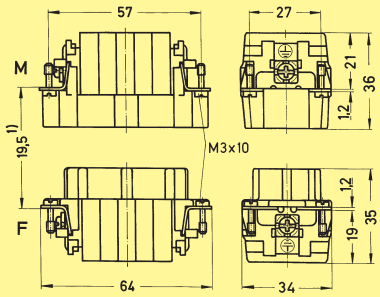
3 + ⏚

+ 2 additional contacts for
safe high voltage connections



Inserts

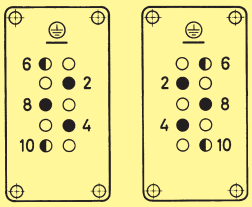
Identification	Series	Part No. Male insert (M)	Part No. Female insert (F)	Drawing	Dimensions in mm
Cage-clamp terminal	Han Hv ES	**09 34 003 2616**	**09 34 003 2716**		



1) Distance for contacts max. 21 mm

Contact arrangement View from termination side

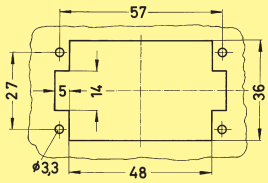
Han 3 Hv ES



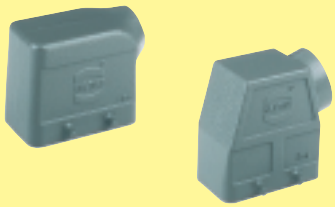
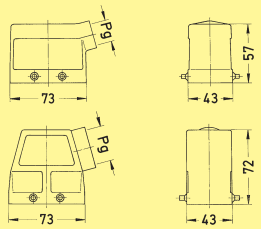
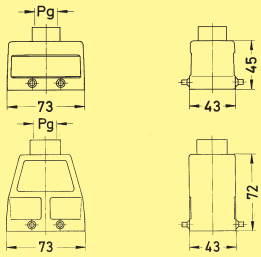
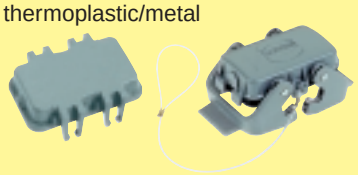
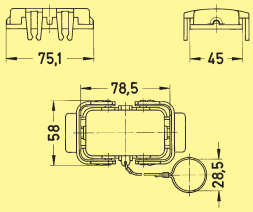
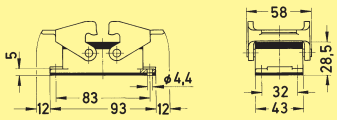
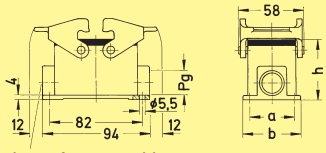
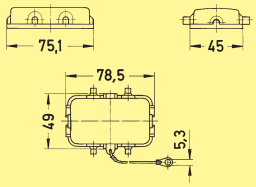
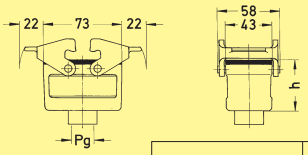
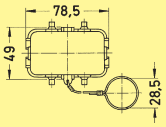
M F

- ● Operating contact
- ◑ Relay contact
- ○ Without contact

Panel cut out for inserts
for use without hoods/housings



Stock items in bold type

	Identification	Part No. Low construction	Part No. High construction	Pg	Drawing	Dimensions in mm
Hoods	Hoods side-entry 	**09 30 010 1521**	**09 30 010 0522** **09 30 010 0523**	16 21 29		
Hoods	Hoods top-entry	**09 30 010 1421**	**09 30 010 0422** **09 30 010 0423**	16 21 29		
Hoods	Protection covers thermoplastic/metal 	**09 30 010 5401** **09 30 010 5423**				
Housings	Housing bulkhead mounting	**09 30 010 0301**		–	Panel cut out 60 x 35 mm 	
Housings	Housings surface mounting 1 side-entry 2 side-entries	**09 30 010 1231** **09 30 010 1271**	**09 30 010 0232** 09 30 010 0233 **09 30 010 0272** **09 30 010 0273**	16 21 29 16 21 29	 Blind way for one cable entry	
Housings	Protection covers thermoplastic/metal	**09 30 010 5407** **09 30 010 5425**				
Housings	Hoods cable to cable	**09 30 010 1731**	09 30 010 0732 09 30 010 0733	16 21 29		
Housings	Protection cover metal	**09 30 010 5427**				

	a	b	h
Low construction	40	52	54
High construction	45	57	74

	h
Low construction	47.5
High construction	74.5

Han Hv E

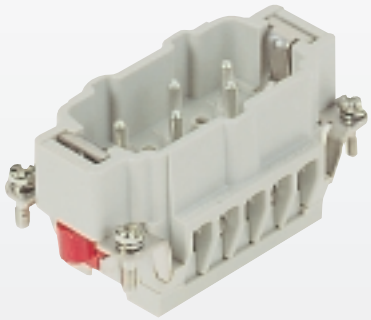
Stock items in bold type

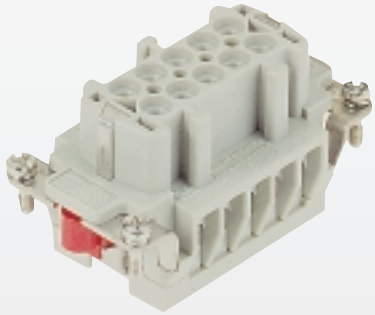
Number of contacts

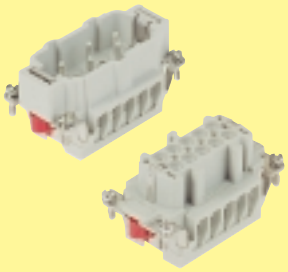
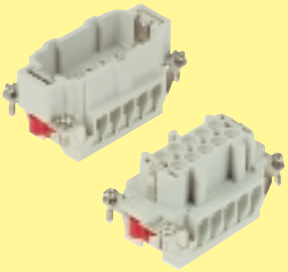
3 + ⏚

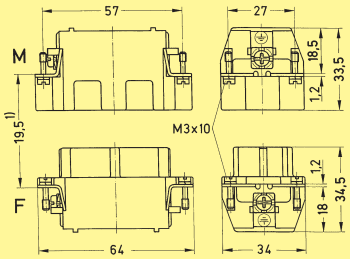
+ 2 additional contacts for safe high voltage connections

Inserts





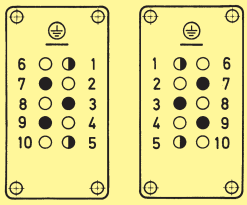
Identification	Series	Part No. Male insert (M)	Part No. Female insert (F)	Drawing	Dimensions in mm
Screw terminal 	Han Hv E	**09 34 003 2601**	**09 34 003 2701**		
Crimp terminal Order crimp contacts separately 	Han Hv E	**09 34 003 2602**	**09 34 003 2702**		



1) Distance for contact max. 21 mm

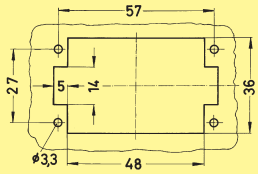
Contact arrangement View from termination side

Han 3 Hv E



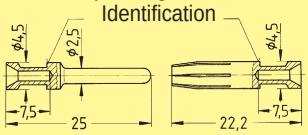
- ● Operating contact
- ◑ Relay contact
- ○ Without contact

Panel cut out for inserts for use without hoods/housings

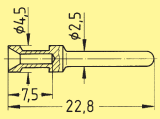


Identification	Wire gauge (mm²)	Part No. Male contacts	Part No. Female contacts	Drawing	Dimensions in mm
Han 3 Hv E — Crimp contacts					
Operating contact silver plated					
3 x	0.5	**09 33 000 6121**	**09 33 000 6220**		
	0.75	**09 33 000 6114**	**09 33 000 6214**		
	1.0	**09 33 000 6105**	**09 33 000 6205**		
	1.5	**09 33 000 6104**	**09 33 000 6204**		
5 x	2.5	**09 33 000 6102**	**09 33 000 6202**		
	3	09 33 000 6106	09 33 000 6206		
	4	**09 33 000 6107**	**09 33 000 6207**		
Relay contact silver plated					
2 x	0.75-1	09 33 000 6109			
	1.5	**09 33 000 6110**			
	2.5	09 33 000 6111			
Number of pieces per insert					

Operating contact Identification



Relay contact

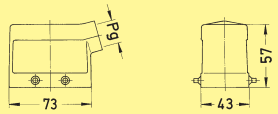
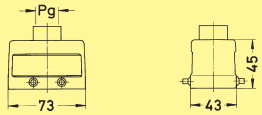
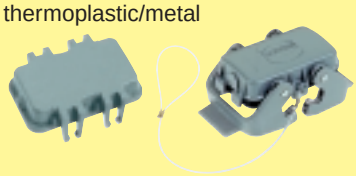
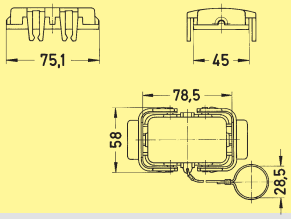
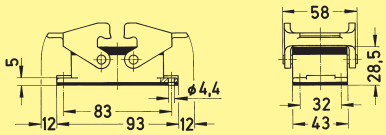
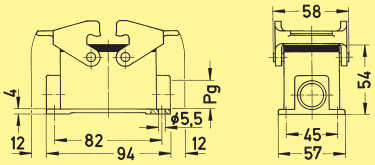
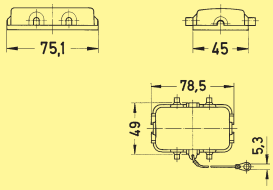
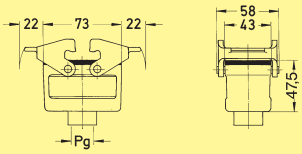
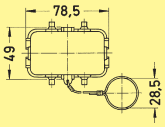


Crimp contact identification

Identification	Wire gauge		Stripping length
no groove	0.5 mm²	AWG 20	7.5 mm
1 groove*	0.75 mm²	AWG 18	7.5 mm
1 groove	1 mm²	AWG 18	7.5 mm
2 grooves	1.5 mm²	AWG 16	7.5 mm
3 grooves	2.5 mm²	AWG 14	7.5 mm
wide groove	3.0 mm²	AWG 12	7.5 mm
no groove	4 mm²	AWG 12	7.5 mm

* on the back crimp collar

Stock items in bold type

	Identification	Part No.	Pg	Drawing	Dimensions in mm
Hoods	Hood side-entry 	**09 34 003 0501**	16		
Hoods	Hood top-entry 	**09 34 003 0401**	16		
Hoods	Protection covers thermoplastic/metal 	**09 30 010 5401** **09 30 010 5423**			
Housings	Housing bulkhead mounting 	**09 34 003 0301**	–	Panel cut out 60 x 35 mm 	
Housings	Housing surface mounting 2 side-entries	**09 34 003 0201**	16		
Housings	Protection covers thermoplastic/metal 	**09 30 010 5407** **09 30 010 5425**			
Housings	Hood cable to cable 	09 34 003 0701	16		
Housings	Protection cover metal 	**09 30 010 5427**			

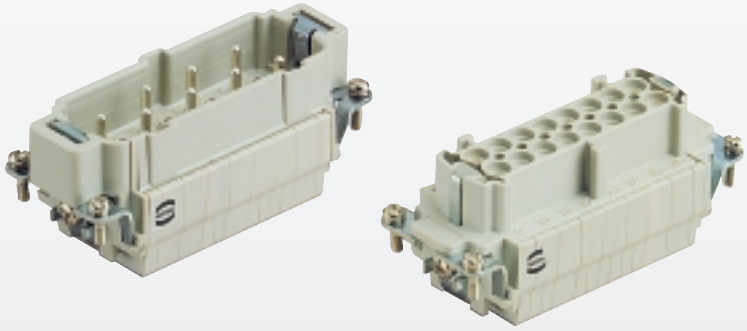
Han Hv E

Stock items in bold type

Number of contacts

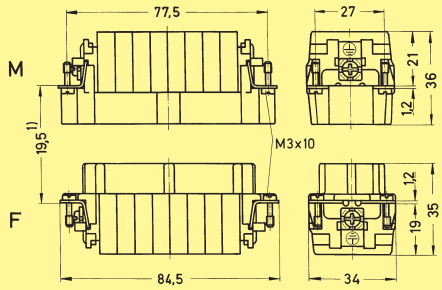
6 + ⏚

+ 2 additional contacts for safe high voltage connections



Inserts

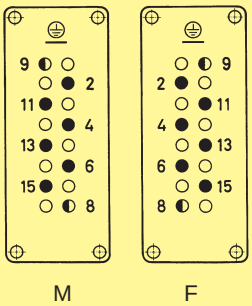
Identification	Series	Part No. Male insert (M)	Part No. Female insert (F)	Drawing	Dimensions in mm
Cage-clamp terminal	Han Hv ES	**09 34 006 2616**	**09 34 006 2716**		



1) Distance for contact max. 21 mm

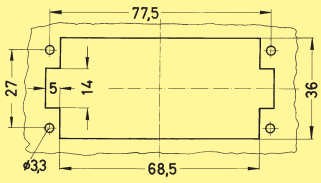
Contact arrangement View from termination side

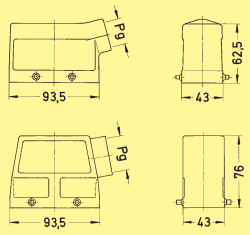
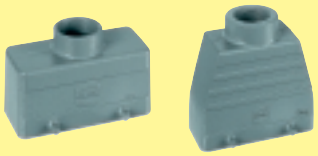
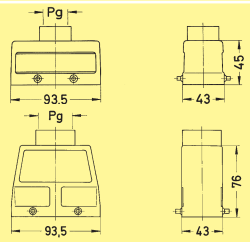
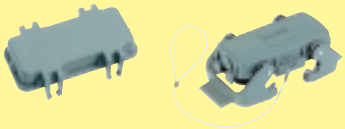
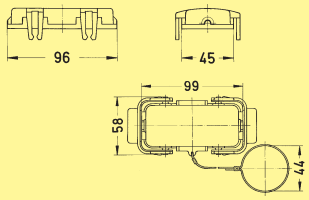
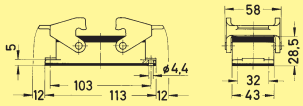
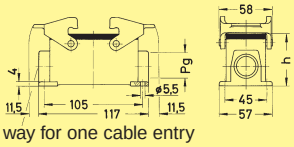
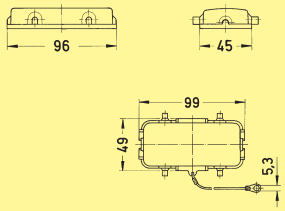
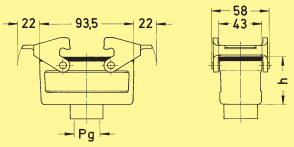
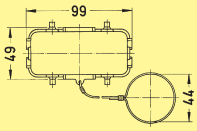
Han 6 Hv ES



- ● Operating contact
- ◑ Relay contact
- ○ Without contact

Panel cut out for inserts
for use without hoods/housings



	Identification	Part No. Low construction	Part No. High construction	Pg	Drawing	Dimensions in mm
Hoods	Hoods side-entry 	**09 30 016 1520**	**09 30 016 0520** **09 30 016 0521**	21 21 29		
Hoods	Hoods top-entry 	**09 30 016 1420**	**09 30 016 0420** **09 30 016 0421**	21 21 29		
Hoods	Protection covers thermoplastic/metal 	**09 30 016 5401** **09 30 016 5422**				
Housings	Housing bulkhead mounting 	**09 30 016 0301**		–	Panel cut out 82 x 35 mm 	
Housings	Housings surface mounting 1 side-entry 2 side-entries	**09 30 016 1230** **09 30 016 1270**	**09 30 016 0230** **09 30 016 0231** **09 30 016 0270** **09 30 016 0271**	21 29 21 29	 Blind way for one cable entry h: Low construction 56; High construction 81	
Housings	Protection covers thermoplastic/metal 	**09 30 016 5405** **09 30 016 5425**				
Housings	Hoods cable to cable 	**09 30 016 1730**	**09 30 016 0730** **09 30 016 0731**	21 29	 h: Low construction 47.5; High construction 78.5	
Housings	Protection cover metal 	09 30 016 5426				

Han Hv E

Stock items in bold type

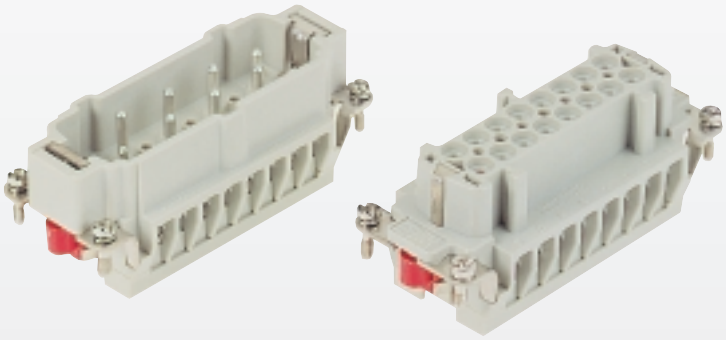
Han® Hv E

660 V max.16 A

Number of contacts

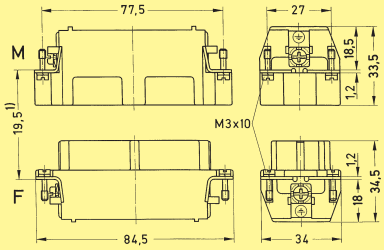
6 + ⏚

+ 2 additional contacts for safe high voltage connections



Inserts

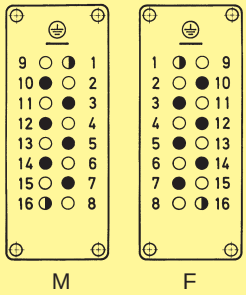
Han Hv E

Identification	Series	Part No. Male insert (M)	Part No. Female insert (F)	Drawing	Dimension in mm
Screw terminal	Han Hv E	**09 34 006 2601**	**09 34 006 2701**		
Crimp terminal Order crimp contacts separately	Han Hv E	**09 34 006 2602**	**09 34 006 2702**		

[1] Distance for contact max. 21 mm

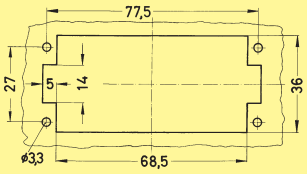
Contact arrangement View from termination side

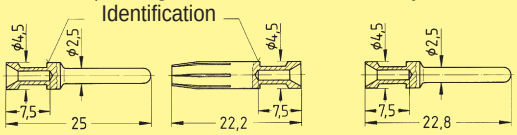
Han 6 Hv E



● Operating contact
◑ Relay contact
○ Without contact

Panel cut out for inserts for use without hoods/housings



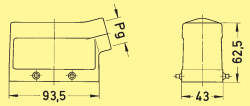
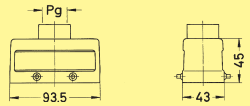
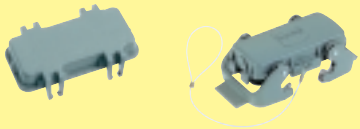
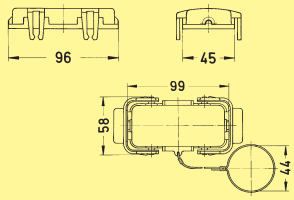
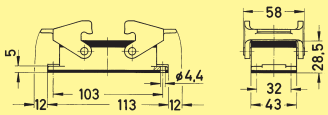
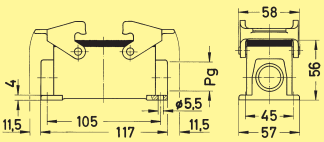
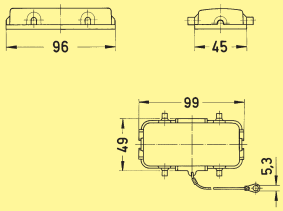
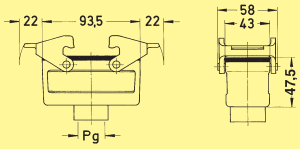
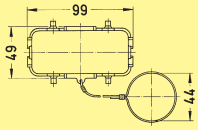
Identification	Wire gauge (mm²)	Part No. Male contacts	Part No. Female contacts	Drawing	Dimensions in mm
Han 6 Hv E **Crimp contacts**					
Operating contact silver plated	0.5	**09 33 000 6121**	**09 33 000 6220**		
6 x	0.75	**09 33 000 6114**	**09 33 000 6214**		
	1.0	**09 33 000 6105**	**09 33 000 6205**		
	1.5	**09 33 000 6104**	**09 33 000 6204**		
	2.5	**09 33 000 6102**	**09 33 000 6202**		
8 x	3	09 33 000 6106	09 33 000 6206		
	4	**09 33 000 6107**	**09 33 000 6207**		
Relay contact silver plated	0.75-1	09 33 000 6109			
	1.5	**09 33 000 6110**			
2 x	2.5	09 33 000 6111			
Number of pieces per insert					

Crimp contact identification

Identification	Wire gauge		Stripping length
no groove	0.5 mm²	AWG 20	7.5 mm
1 groove*	0.75 mm²	AWG 18	7.5 mm
1 groove	1 mm²	AWG 18	7.5 mm
2 grooves	1.5 mm²	AWG 16	7.5 mm
3 grooves	2.5 mm²	AWG 14	7.5 mm
wide groove	3.0 mm²	AWG 12	7.5 mm
no groove	4 mm²	AWG 12	7.5 mm

* on the back crimp collar

Stock items in bold type

	Identification	Part No.	Pg	Drawing	Dimensions in mm
Hoods	Hood side-entry 	**09 34 006 0501**	21		
Hood top-entry 	**09 34 006 0401**	21			
Protection covers thermoplastic/metal 	**09 30 016 5401** **09 30 016 5422**				
Housings	Housing bulkhead mounting 	**09 34 006 0301**	–	Panel cut out 82 x 35 mm 	
Housing surface mounting 2 side-entries	**09 34 006 0201**	21			
Protection covers thermoplastic/metal 	**09 30 016 5405** **09 30 016 5425**				
Hood cable to cable 	09 34 006 0701	21			
Protection cover metal 	09 30 016 5426				

Han Hv E

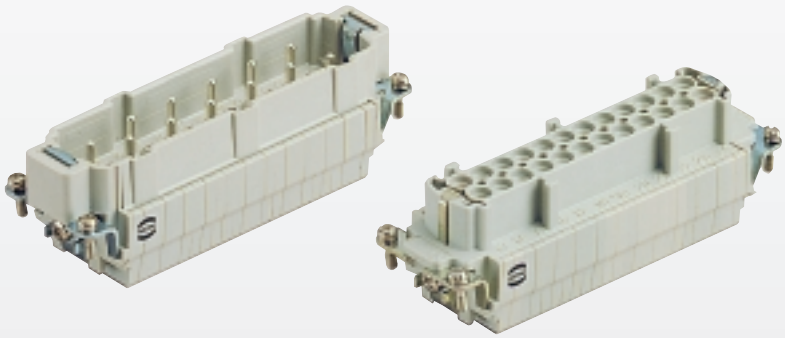
Stock items in bold type

Number of contacts

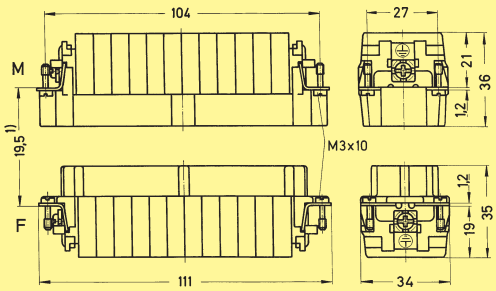
10 + ⏚

+ 2 additional contacts for safe high voltage connections

Inserts



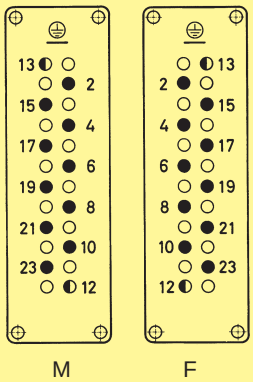
Identification	Series	Part No. Male insert (M)	Part No. Female insert (F)	Drawing	Dimensions in mm
Cage-clamp terminal	Han Hv ES	**09 34 010 2616**	**09 34 010 2716**		



1) Distance for contact max. 21 mm

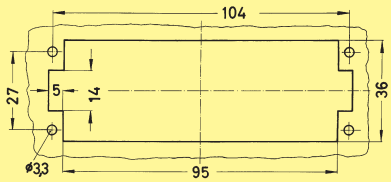
Contact arrangement View from termination side

Han 10 Hv ES



- ● Operating contact
- ◑ Relay contact
- ○ Without contact

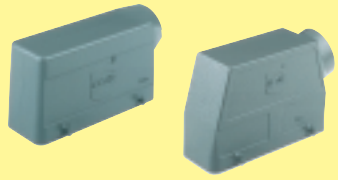
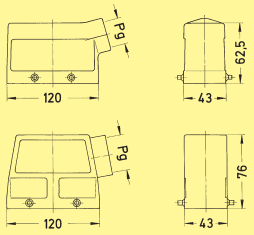
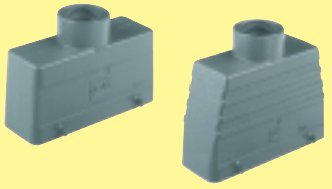
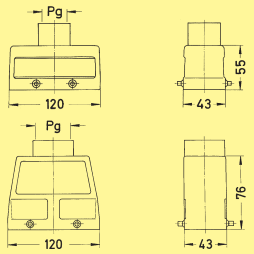
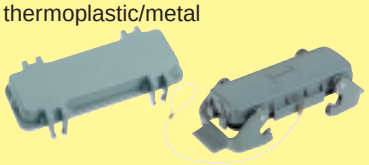
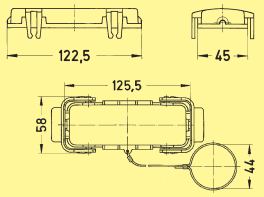
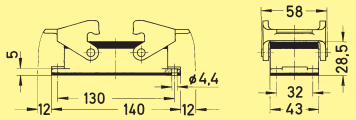
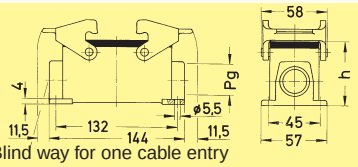
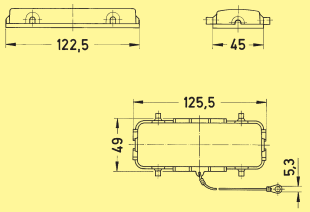
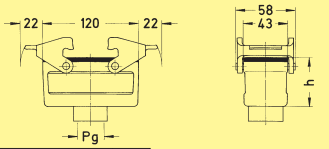
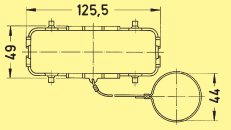
Panel cut out for inserts
for use without hoods/housings



Stock items in bold type

Standard Hoods/Housings with 2 levers on the housing

Size 24 B

	Identification	Part No. Low construction	Part No. High construction	Pg	Drawing / Dimensions in mm
Hoods	Hoods side-entry 	**09 30 024 1520**	**09 30 024 0520** **09 30 024 0521**	21 21 29	
Hoods	Hoods top-entry 	**09 30 024 1421**	**09 30 024 0420** **09 30 024 0421**	29 21 29	
Hoods	Protection covers thermoplastic/metal 	**09 30 024 5401** **09 30 024 5422**			
Housings	Housing bulkhead mounting	**09 30 024 0301**		–	Panel cut out 108 x 35 mm 
Housings	Housings surface mounting 1 side-entry	**09 30 024 1230**	**09 30 024 0230** **09 30 024 0231**	21 29	 Blind way for one cable entry
Housings	2 side-entries	**09 30 024 1270**	**09 30 024 0270** **09 30 024 0271**	21 29	
Housings	Protection covers thermoplastic/metal	**09 30 024 5405** **09 30 024 5425**			
Housings	Hoods cable to cable	**09 30 024 1731**	**09 30 024 0730** **09 30 024 0731**	21 29	
Housings	Protection cover metal	09 30 024 5426			

	h
Low construction	56
High construction	81

	h
Low construction	57.5
High construction	78.5

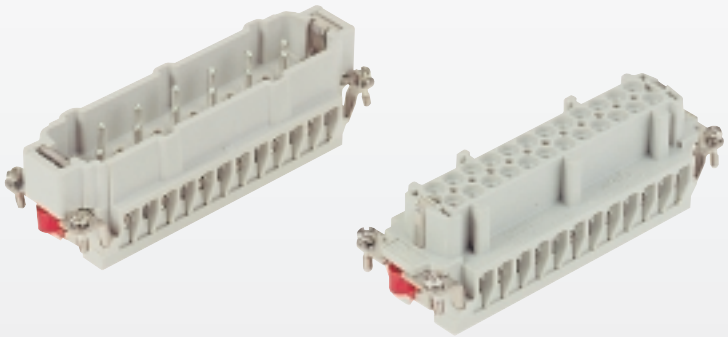
Stock items in bold type

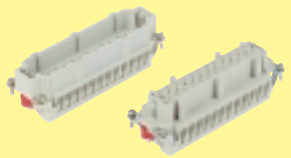
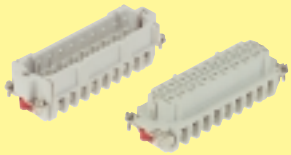
Number of contacts

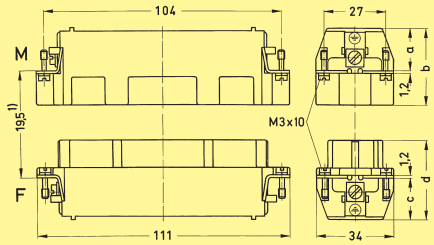
10, 16 + ⏚

+ 2 additional contacts for safe high voltage connections

Inserts



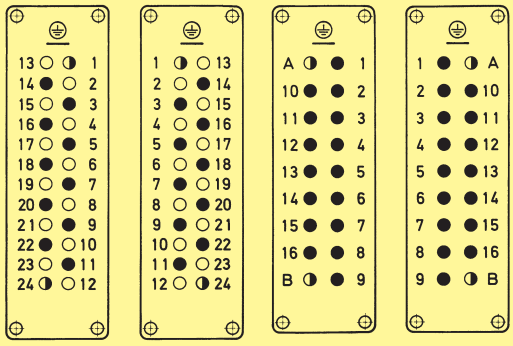
Identification	Series	Part No. Male insert (M)	Part No. Female insert (F)	Drawing	Dimensions in mm
Screw terminal	Han Hv E	**09 34 010 2601**	**09 34 010 2701**		
Crimp terminal Order crimp contacts separately 	Han Hv E	**09 34 010 2602**	**09 34 010 2702**		
Screw terminal 	Han Hv E	09 34 016 2601	09 34 016 2701		



1) Distance for contact max. 21 mm

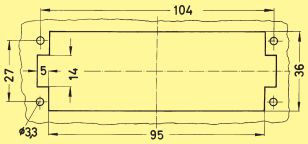
Contact arrangement View from termination side

Han 10 Hv E | Han 16 Hv E



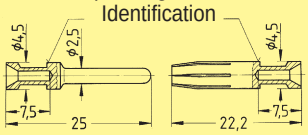
● Operating contact
◑ Relay contact
○ Without contact

Panel cut out for inserts for use without hoods/housings

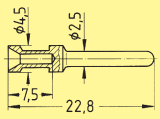


Identification	Han 10 Hv E	Han 16 Hv E	Wire gauge (mm²)	Part No. Male contacts	Part No. Female contacts	Drawing	Dimensions in mm
Crimp contacts							
Operating contact silver plated	10 x	18 x	0.5	**09 33 000 6121**	**09 33 000 6220**		
			0.75	**09 33 000 6114**	**09 33 000 6214**		
			1.0	**09 33 000 6105**	**09 33 000 6205**		
			1.5	**09 33 000 6104**	**09 33 000 6204**		
	12 x	18 x	2.5	**09 33 000 6102**	**09 33 000 6202**		
			3	09 33 000 6106	09 33 000 6206		
			4	**09 33 000 6107**	**09 33 000 6207**		
Relay contact silver plated	2 x	–	0.75-1	09 33 000 6109			
			1.5	**09 33 000 6110**			
			2.5	09 33 000 6111			
Number of pieces per insert							

Operating contact Identification



Relay contact

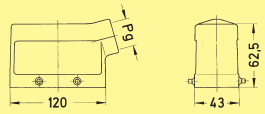
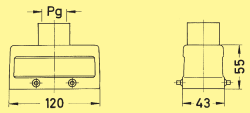
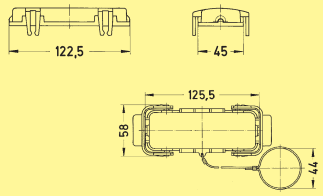
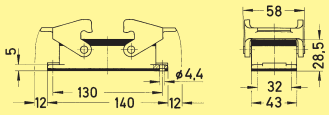
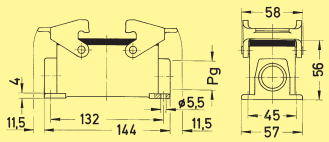
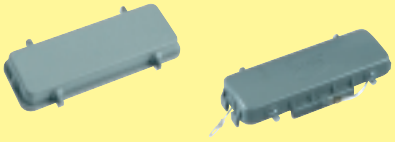
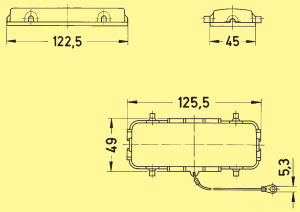
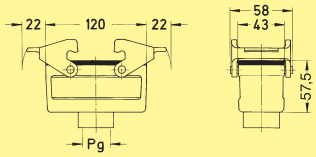
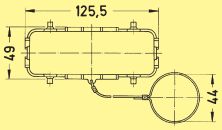


Crimp contact identification

Identification	Wire gauge		Stripping length
no groove	0.5 mm²	AWG 20	7.5 mm
1 groove*	0.75 mm²	AWG 18	7.5 mm
1 groove	1 mm²	AWG 18	7.5 mm
2 grooves	1.5 mm²	AWG 16	7.5 mm
3 grooves	2.5 mm²	AWG 14	7.5 mm
wide groove	3.0 mm²	AWG 12	7.5 mm
no groove	4 mm²	AWG 12	7.5 mm

* on the back crimp collar

Stock items in bold type

	Identification	Part No.	Pg	Drawing	Dimensions in mm
Hoods	Hood side-entry 	**09 34 010 0501**	21		
Hood top-entry 	**09 34 010 0401**	29			
Protection covers thermoplastic/metal 	**09 30 024 5401** **09 30 024 5422**				
Housings	Housing bulkhead mounting 	**09 34 010 0301**	–	Panel cut out 108 x 35 	
Housing surface mounting 2 side-entries	**09 34 010 0201**	21			
Protection covers thermoplastic/metal 	**09 30 024 5405** **09 30 024 5425**				
Hood cable to cable 	09 34 010 0701	29			
Protection cover metal 	09 30 024 5426				

Han Hv E

Stock items in bold type

Han® Hv ES / Han® Hv E

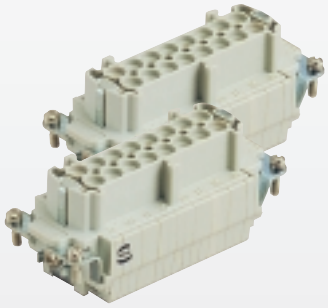
Hv ES 750 V
Hv E 660 V
max.16 A

Number of contacts

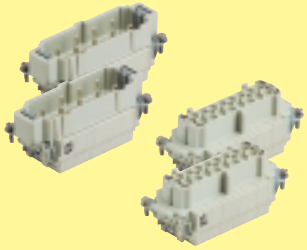
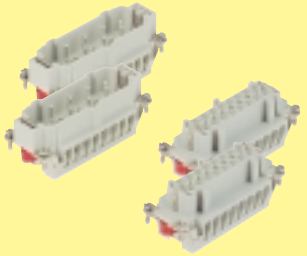
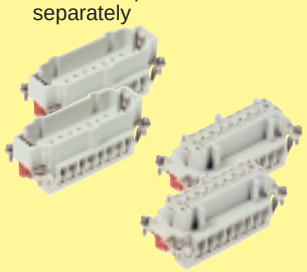
12 + ⏚

+ 4 additional contacts for safe high voltage connections

Inserts



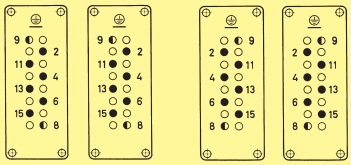
Han Hv E

Identification	Series	Part No. Male insert (M)	Part No. Female insert (F)
Cage-clamp terminal 	Han Hv ES		
	1–6	**09 34 006 2616**	**09 34 006 2716**
	1–6	**09 34 006 2616**	**09 34 006 2716**
Screw terminal 	Han Hv E		
	1–6	**09 34 006 2601**	**09 34 006 2701**
	1–6	**09 34 006 2601**	**09 34 006 2701**
Crimp terminal Order crimp contacts separately 	Han Hv E		
	1–6	**09 34 006 2602**	**09 34 006 2702**
	1–6	**09 34 006 2602**	**09 34 006 2702**

Dimensions for inserts page 04.16/04.18

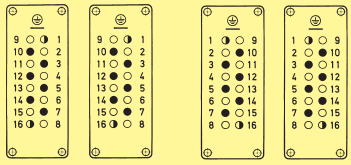
Contact arrangement View from termination side

Han 12 Hv ES



M F

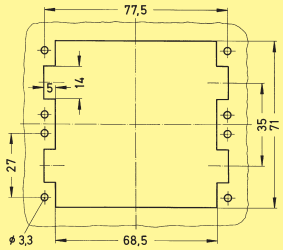
Han 12 Hv E



M F

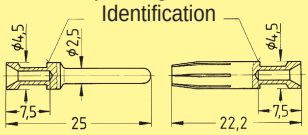
● Operating contact
◑ Relay contact
○ Without contact

Panel cut out for insert for use without hoods/housings

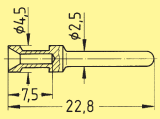


Identification	Wire gauge (mm²)	Part No. Male contacts	Part No. Female contacts
Han 12 Hv E/ Hv ES — Crimp contacts			
Operating contact silver plated			
12 x	0.5	**09 33 000 6121**	**09 33 000 6220**
	0.75	**09 33 000 6114**	**09 33 000 6214**
	1.0	**09 33 000 6105**	**09 33 000 6205**
	1.5	**09 33 000 6104**	**09 33 000 6204**
	2.5	**09 33 000 6102**	**09 33 000 6202**
16 x	3	09 33 000 6106	09 33 000 6206
	4	**09 33 000 6107**	**09 33 000 6207**
Relay contact silver plated			
	0.75-1	09 33 000 6109	
	1.5	**09 33 000 6110**	
	2.5	09 33 000 6111	
4 x			
Number of pieces per assembly			

Operating contact Identification



Relay contact

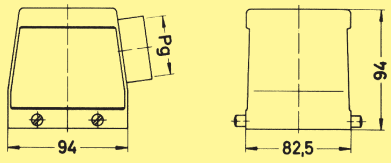
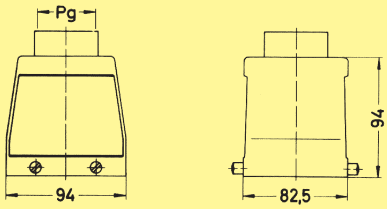
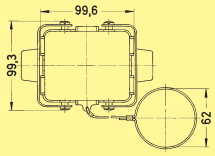
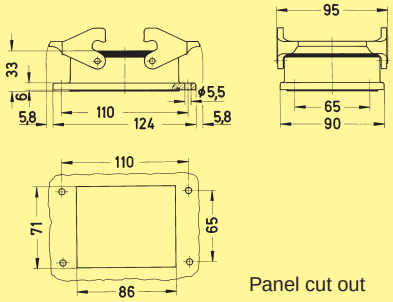
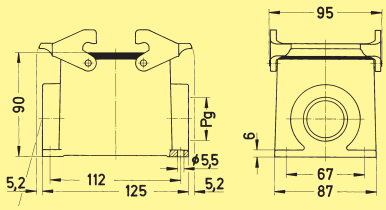
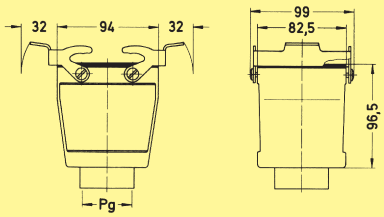
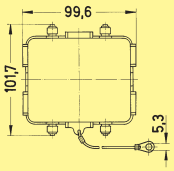
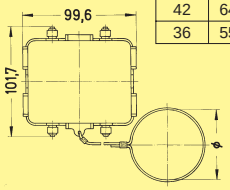


Crimp contact identification

Identification	Wire gauge		Stripping length
no groove	0.5 mm²	AWG 20	7.5 mm
1 groove*	0.75 mm²	AWG 18	7.5 mm
1 groove	1 mm²	AWG 18	7.5 mm
2 grooves	1.5 mm²	AWG 16	7.5 mm
3 grooves	2.5 mm²	AWG 14	7.5 mm
wide groove	3.0 mm²	AWG 12	7.5 mm
no groove	4 mm²	AWG 12	7.5 mm

* on the back crimp collar

Stock items in bold type

	Identification		Part No.	Pg	Drawing	Dimensions in mm
Hoods	Hoods side-entry		**09 30 032 0521** **09 30 032 0522** **09 30 032 0523**	29 36 42		
Hoods	Hoods top-entry		**09 30 032 0421** **09 30 032 0422** 09 30 032 0423	29 36 42		
Hoods	Protection cover for hoods		09 30 032 5420	–		
Housings	Housing bulkhead mounting		**09 30 032 0301**	–	 Panel cut out	
Housings	Housings surface mounting		**09 30 032 0231** 09 30 032 0232 09 30 032 0233 **09 30 032 0271** **09 30 032 0272** 09 30 032 0273	1 x 29 1 x 36 1 x 42 2 x 29 2 x 36 2 x 42	 Blind way for one cable entry	
Housings	Hoods cable to cable		09 30 032 0731 **09 30 032 0732** 09 30 032 0733	29 36 42		
Housings	Protection covers for housings for cable to cable hoods		 09 30 032 5425 09 30 032 5426 09 30 032 5427	 – 42 36	 	

for PG	Ø
42	64
36	55.5

Han Hv E

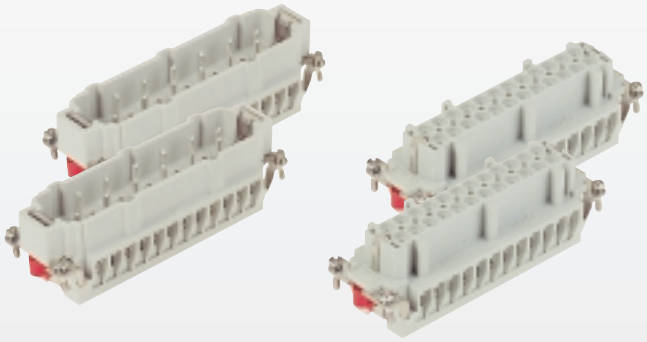
Stock items in bold type

Hv ES 750 V
Hv E 660 V
max.16 A

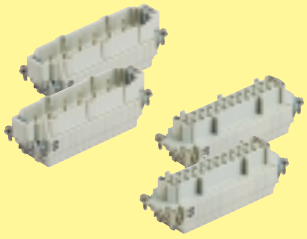
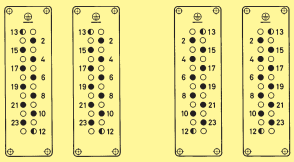
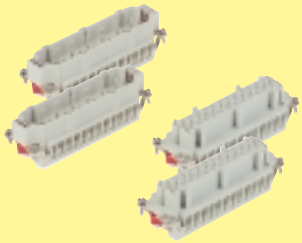
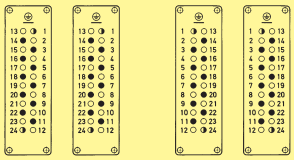
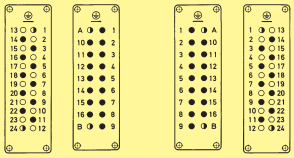
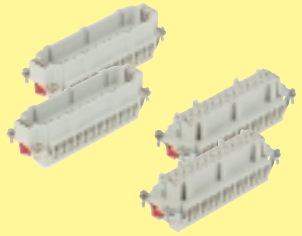
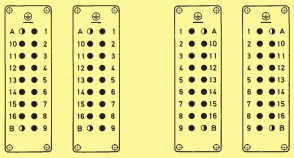
Number of contacts

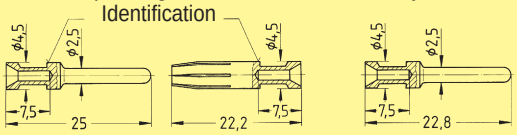
20, 26, 32 + ⏚

+ 4 additional contacts for
safe high voltage connections



Inserts

Identification	Series	Part No. Male insert (M)	Part No. Female insert (F)	Drawing	Dimensions in mm
Cage-clamp terminal 	Han Hv ES			Dimensions for inserts page 04.20 / 04.22	
	1–10	**09 34 010 2616**	**09 34 010 2716**	Contact arrangement View from termination side	
	1–10	**09 34 010 2616**	**09 34 010 2716**	Han 20 Hv ES  M F	
Screw terminal 	Han Hv E				
	1–10	**09 34 010 2601**	**09 34 010 2701**		
	1–10	**09 34 010 2601**	**09 34 010 2701**	Han 20 Hv E  M F	
	1–10	**09 34 010 2601**	**09 34 010 2701**		
	1–16	09 34 016 2601	09 34 016 2701		
	1–16	09 34 016 2601	09 34 016 2701	Han 26 Hv E  M F	
	1–16	09 34 016 2601	09 34 016 2701		
Crimp terminal Order crimp contacts separately 	Han Hv E				
	1–10	**09 34 010 2602**	**09 34 010 2702**	Han 32 Hv E 	
	1–10	**09 34 010 2602**	**09 34 010 2702**	● Operating contact ◑ Relay contact ○ Without contact M F	
				Panel cut out for inserts for use without hoods/housings see chapter 03 size 48 E.	

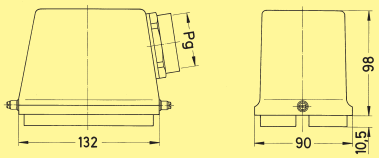
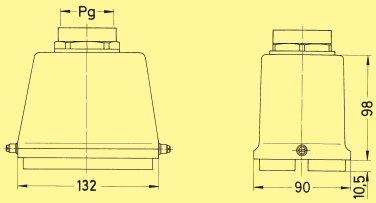
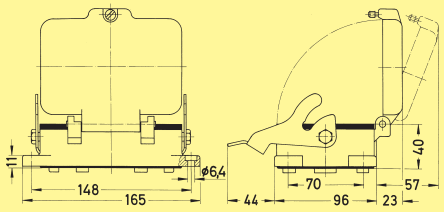
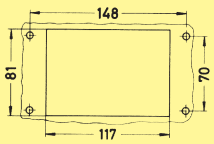
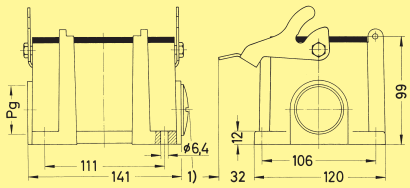
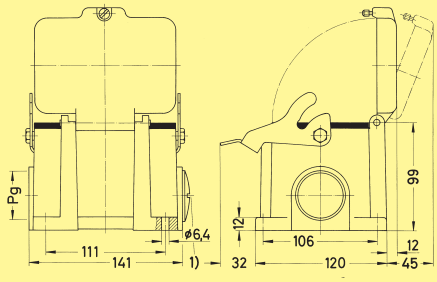
Identification	Wire gauge (mm²)	Part No. Male contacts	Part No. Female contacts	Drawing	Dimensions in mm
Crimp contacts				Operating contact Identification / Relay contact 	
Han 20 Hv E / Han 26 Hv E / Han 32 Hv E — Operating contact silver plated	0.5	**09 33 000 6121**	**09 33 000 6220**		
20 x / 28 x / 36 x	0.75	**09 33 000 6114**	**09 33 000 6214**		
	1.0	**09 33 000 6105**	**09 33 000 6205**		
	1.5	**09 33 000 6104**	**09 33 000 6204**		
24 x / 30 x / 36 x	2.5	**09 33 000 6102**	**09 33 000 6202**		
	3	09 33 000 6106	09 33 000 6206		
	4	**09 33 000 6107**	**09 33 000 6207**		
Relay contact silver plated	0.75-1	09 33 000 6109			
	1.5	**09 33 000 6110**			
	2.5	09 33 000 6111			
4 x / 2 x / –					
Number of pieces per assembly					

Crimp contact identification

Identification	Wire gauge		Stripping length
no groove	0.5 mm²	AWG 20	7.5 mm
1 groove*	0.75 mm²	AWG 18	7.5 mm
1 groove	1 mm²	AWG 18	7.5 mm
2 grooves	1.5 mm²	AWG 16	7.5 mm
3 grooves	2.5 mm²	AWG 14	7.5 mm
wide groove	3.0 mm²	AWG 12	7.5 mm
no groove	4 mm²	AWG 12	7.5 mm

* on the back crimp collar

Stock items in bold type

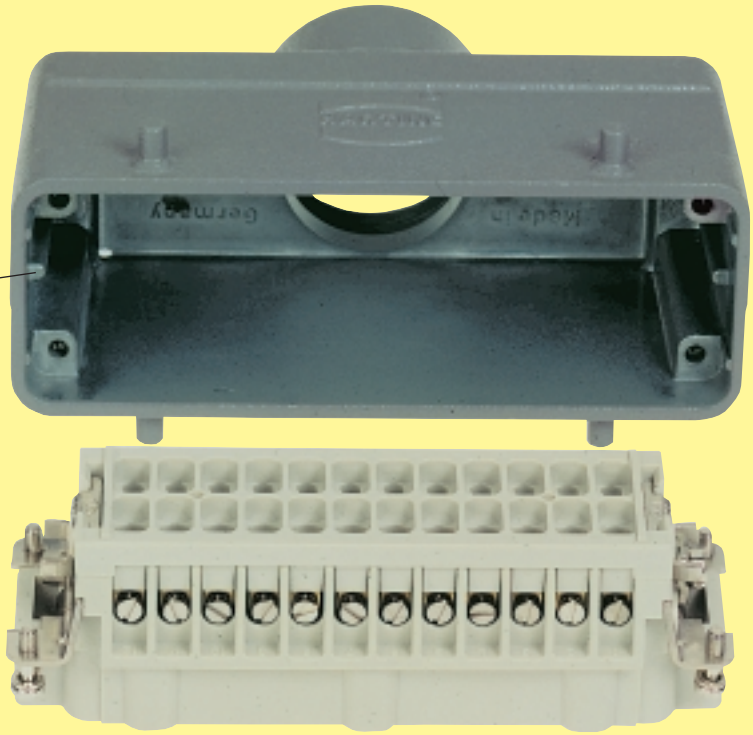
Identification		Part No.	Pg	Drawing	Dimensions in mm
Hoods	Hoods side-entry 	**09 30 048 0540** **09 30 048 0541** **09 30 048 0542**	29 36 42		
	Hoods top-entry 	**09 30 048 0440** **09 30 048 0441** **09 30 048 0442**	29 36 42		
Housings	Housings bulkhead mounting 	with thermo-plastic cover **09 30 048 0301** with metal cover **09 30 048 0317**	– –	 Panel cut out 	
	Housings surface mounting 2 side-entries 	**09 30 048 0290** **09 30 048 0291** with thermo-plastic cover **09 30 048 0295** **09 30 048 0296** with metal cover 09 30 048 2295 09 30 048 2296	29 36 29 36 29 36	  1) Blind way	

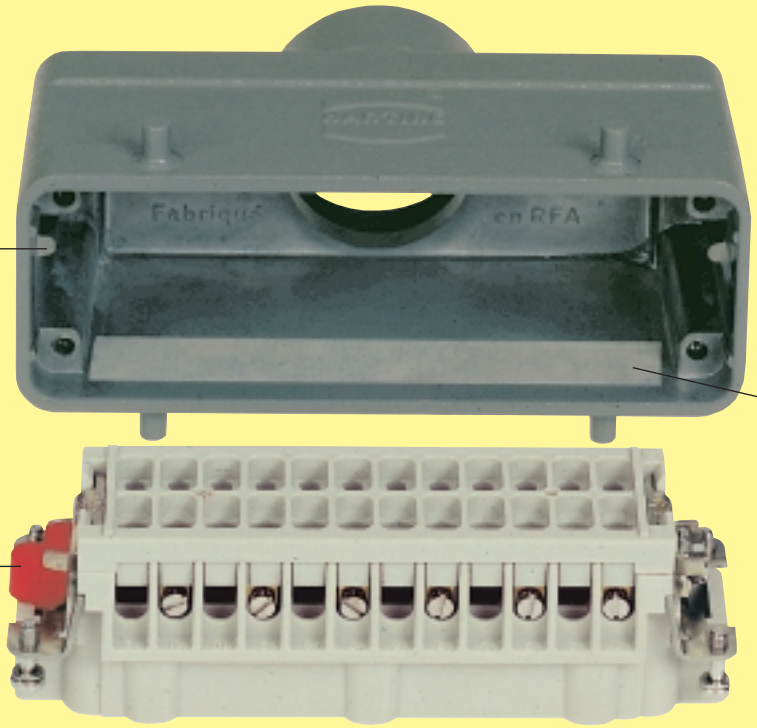
Han Hv E

Stock items in bold type

Standard Hood/Housing Han B

Suitable for all Standard
inserts (also Hv ES)



Special Hood/Housing Han Hv E

Han Hv E inserts may be used
together with the corresponding
Hv E hoods/housings only