


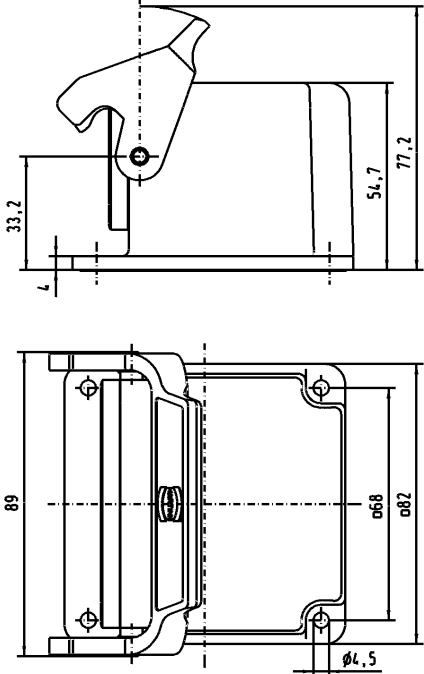

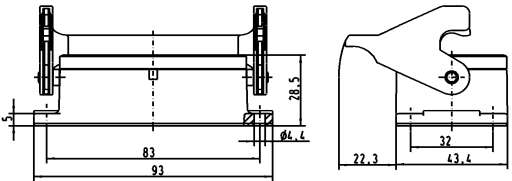


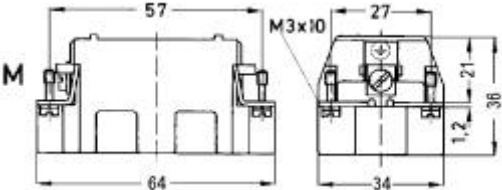


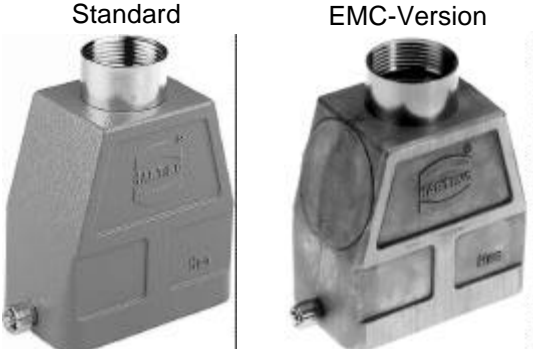
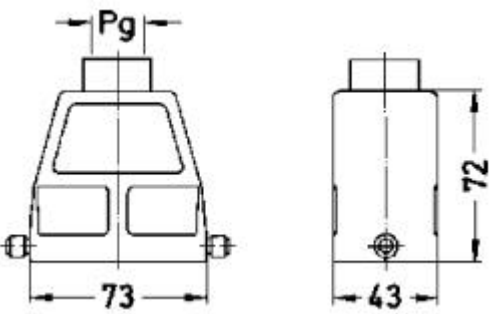


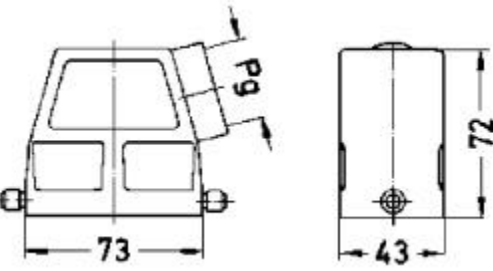
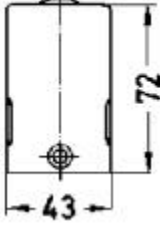


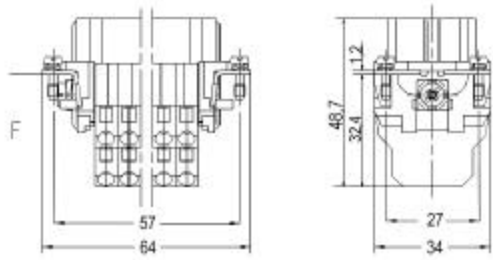
Han-Drive[®]

Motor Connector

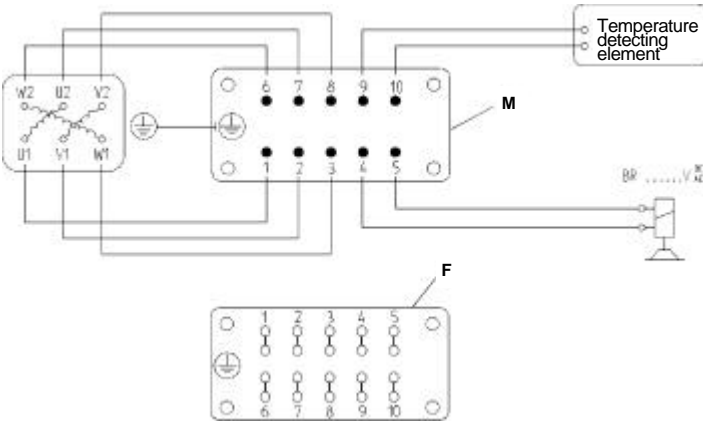


Certified acc. to DIN EN ISO 9001
in design/ development, production,
installation and servicing.

Combinations motor side	Part-Number	Drawing	Dimensions in mm																					
<p>Terminal housing for motors angled version</p>  <p>Other footprints available on request.</p>	<p>Standard Version 09 30 010 0901</p> <p>EMC Version 09 62 810 0901</p>																							
<p>Technical Characteristics</p> <table border="0"> <tr> <td></td> <td>Standard Version</td> <td>EMC Version</td> </tr> <tr> <td>Materials</td> <td>Aluminium die cast</td> <td>Aluminium die cast</td> </tr> <tr> <td>Surface</td> <td>powder painted RAL 7037 grey</td> <td>conductive finish</td> </tr> <tr> <td>Locking device</td> <td>Han Easy-Lock®</td> <td>Han Easy-Lock®</td> </tr> <tr> <td>Hood sealing</td> <td>NBR</td> <td>EMC frame with O-ring</td> </tr> <tr> <td>Temperature range</td> <td>- 40°C ... +125°C</td> <td>- 40°C ... +125°C</td> </tr> <tr> <td>Degree of protection according to DIN 40 050 in locked position</td> <td>IP 65</td> <td>IP 65</td> </tr> </table>			Standard Version	EMC Version	Materials	Aluminium die cast	Aluminium die cast	Surface	powder painted RAL 7037 grey	conductive finish	Locking device	Han Easy-Lock®	Han Easy-Lock®	Hood sealing	NBR	EMC frame with O-ring	Temperature range	- 40°C ... +125°C	- 40°C ... +125°C	Degree of protection according to DIN 40 050 in locked position	IP 65	IP 65		
	Standard Version	EMC Version																						
Materials	Aluminium die cast	Aluminium die cast																						
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Temperature range	- 40°C ... +125°C	- 40°C ... +125°C																						
Degree of protection according to DIN 40 050 in locked position	IP 65	IP 65																						
<p>Bulkhead mounted housing</p> 	<p>Standard Version 09 30 010 0305</p> <p>EMC Version 09 62 810 0305</p>	<p>Panel cut out 60 x 35 mm</p> 																						
<p>Terminal connector Han® 10 ES male insert</p> <p>10 poles + </p> 	<p>09 33 010 2616</p>	 <p>For more combinations see page 7/8</p>																						

Combinations cable side	Part-Number	Drawing	Dimensions in mm
<p>Hood, high construction Pg 21, top-entry</p> <p>Standard EMC-Version</p> 	<p>Standard 09 30 010 0442</p> <p>EMC-Version 09 62 810 0442</p>		
<p>Hood, high construction Pg 21, side-entry</p> <p>Standard EMC-Version</p> 	<p>Standard 09 30 010 0542</p> <p>EMC-Version 09 62 810 0542</p>		
<p>Terminal connector Han[®] 10 ESS Female insert with double termination</p> <p>10 poles + </p>  <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;"> <p>For more combinations see page 7/8</p> </div>	<p>09 33 010 2772</p>		<p>Features</p> <ul style="list-style-type: none"> • 2 terminations per contact • Termination: cage clamp • Suitable for standard Han[®] B housings, high construction hood necessary • Bridges are carried out by means of a simple screw driver

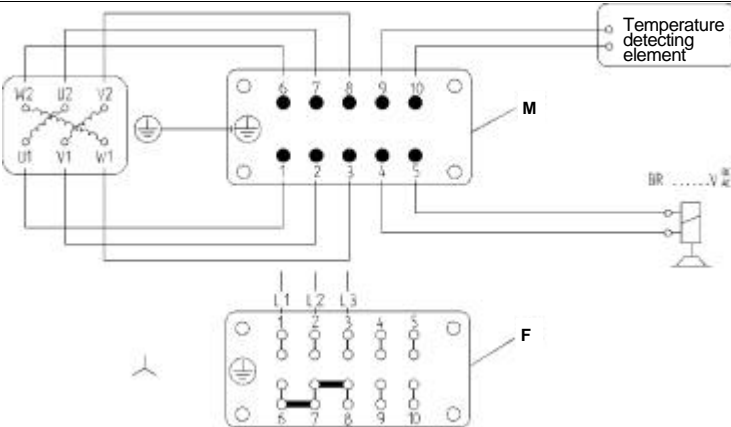
Contact arrangement Han® 10 E(SS)



Han® ES

All supply wirings as well as terminations for breaks and control devices are placed on the connector. This can be done directly or via the terminal box.

Han® ESS



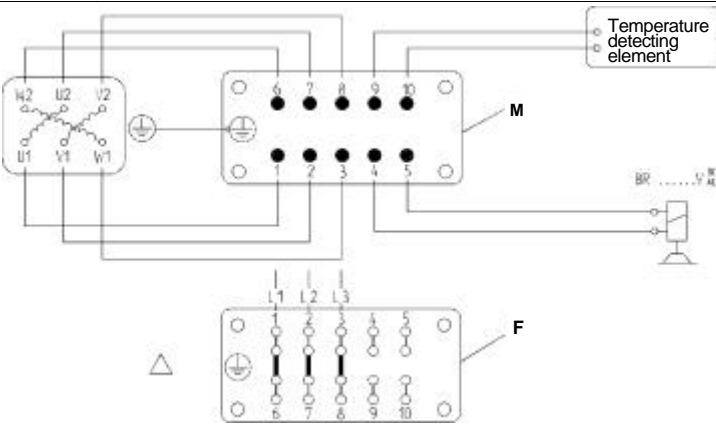
Han® ES

Y-circuit

Terminations are to be carried out as described in the contact arrangement.

The star-connection is embedded in the female connector.

Han® ESS



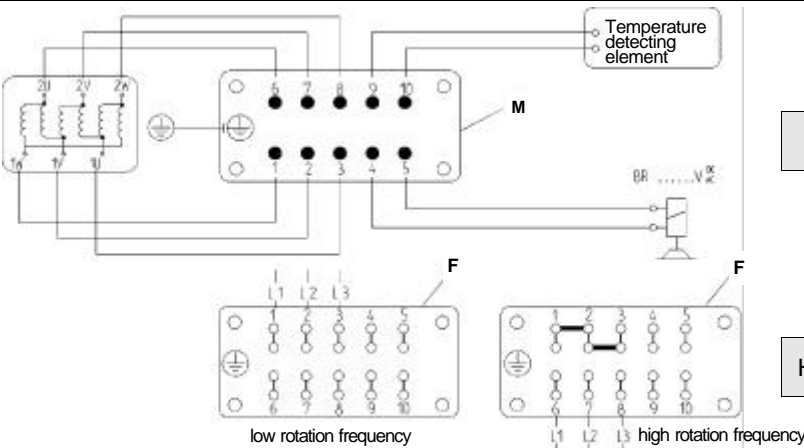
Han® ES

Δ - circuit

Terminations are to be carried out as described in the contact arrangement.

The delta-connection is embedded in the female connector.

Han® ESS



Han® ES

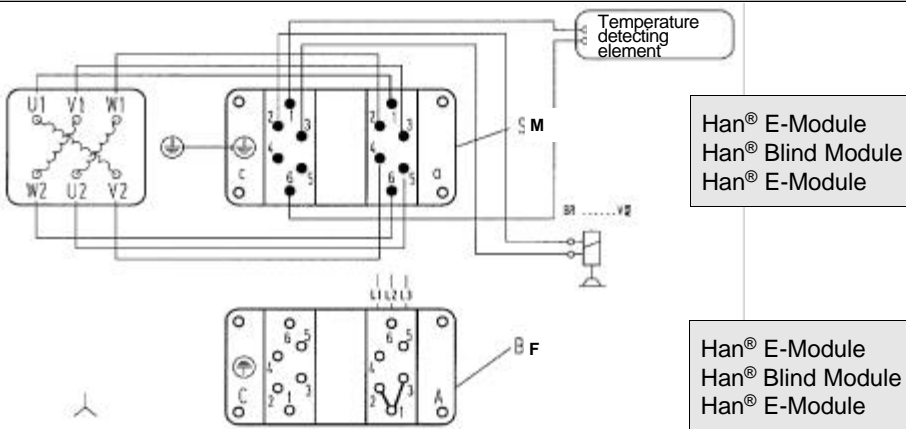
Dahlander-circuit

Terminations are to be carried out as described in the contact arrangement.

The possibly needed connections are embedded in the female connector.

Han® ESS

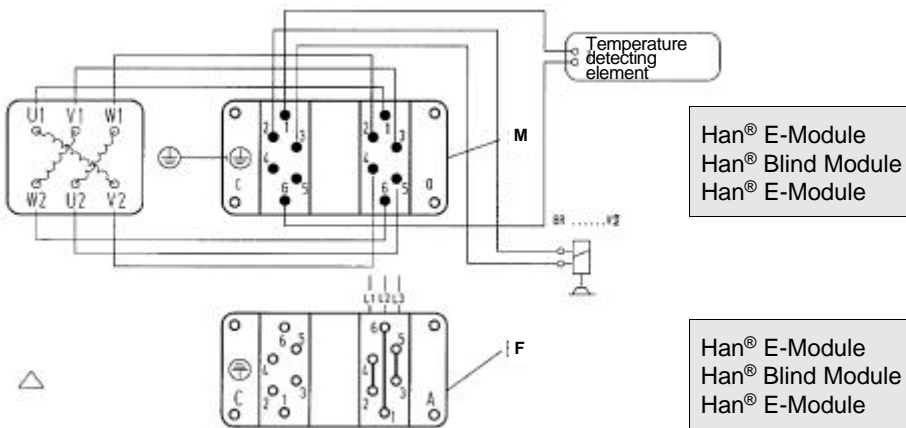
Contact arrangement Han-Modular®



Y-circuit

Terminations are to be carried out as described in the contact arrangement.

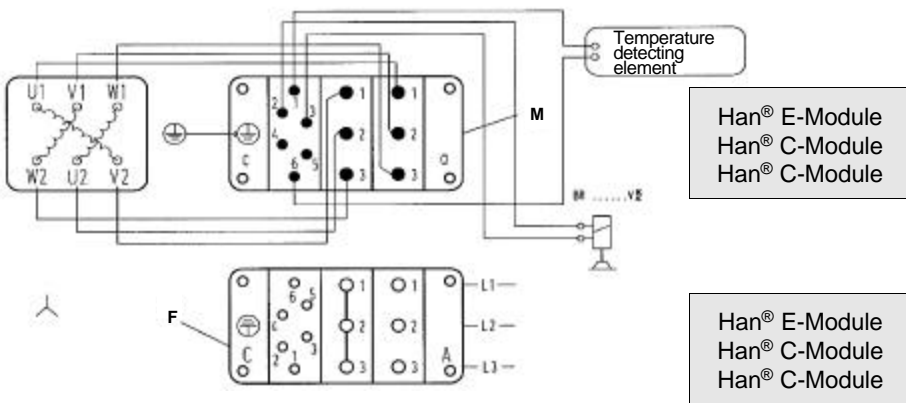
The star-connection is crimped within the female connector.
(2 wires in 1 crimp contact).



Δ - circuit

Terminations are to be carried out as described in the contact arrangement.

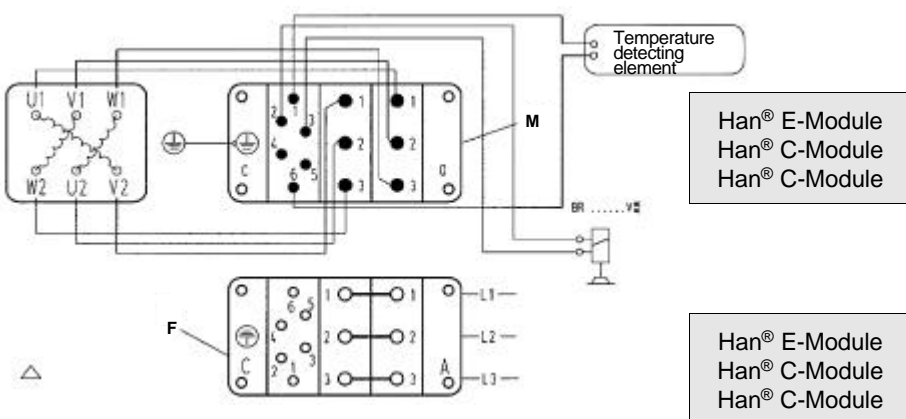
The delta-connection is crimped within the female connector.
(2 wires in 1 crimp contact).



Y-circuit

Terminations are to be carried out as described in the contact arrangement.

The star-connection is crimped within the female connector.
(2 wires in 1 crimp contact).



Δ - circuit

Terminations are to be carried out as described in the contact arrangement.

The delta-connection is crimped within the female connector
(2 wires in 1 crimp contact).

Polarization



The Polarization has been standardized. It was stipulated that the assembly has to be performed as described (see photo left). Thus a motor-integrated turn-on is possible.

DESINA[®] conforming product

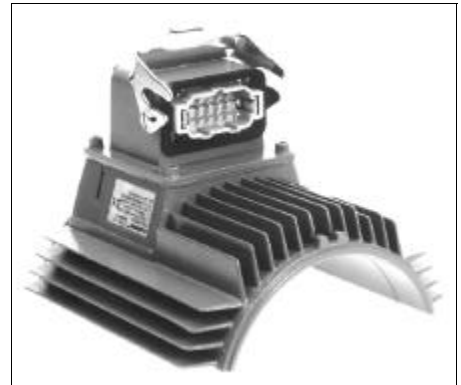


DEcentralized and
STandardized **IN**stallAtion technology

The DESINA workshop was founded by the VDW (Association of German Machine Tool Manufacturers) with the aim to develop a field bus independent, standardized installation system for production plants and machines. This was done in close co-operation with machine tool manufacturers, the automobile industry and its suppliers.

For more information concerning DESINA:
[www/desina.de](http://www.desina.de)

Applications



Han-Drive[®], terminal housing for motors of angled version



Han-Drive[®], bulkhead mounted housing straight version

Advantages

Combination of well proven components and new technologies:

Angled housing replaces the terminal box.

The position of the terminal housing can be switched by 90°.

Han[®] 10 E standard connector can be used.

Compatible with standard hoods for single lever latching.

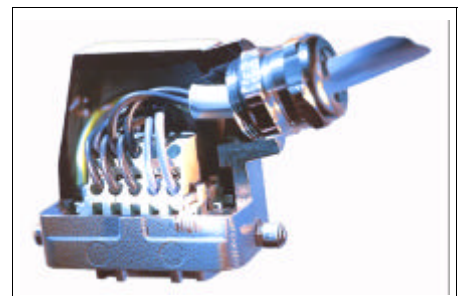
Also suitable for special products such as Han[®] K 8/24 or Han-Modular[®].

Star and delta circuits can be realized in the female connector Han[®] ESS.

Rationalization of operations:

Fast and easy exchange of a motor is possible.

Thus less costs because of less down times.



Han[®] ESS, connector with double termination

Possible Combinations

Possible Combinations Han 10 B Hoods - Mono Block -

Illustration	Identification	Number of contacts	Working current	Working voltage	Termination
	Han 10 E	10	16 A	400 V	Screw
	Han 10 E	10	16 A	400 V	Crimp
	Han 10 ES	10	16 A	500 V	Cage clamp
	Han K 8/24	8/24	16/10 A	400/250 V	Crimp
	Han 18 EE	18	16 A	500 V	Crimp

Possible Combinations Han 10 B Hoods - Han-Modular -

Picture	Identification	Number of contacts	Working current	Working voltage	Termination
	E-Module	6	16 A	500 V	Crimp
	Blind Module	-	-	-	-
	E-Module	6	16 A	500 V	Crimp
	C-Module	3	40 A	690 V	Crimp
	C-Module	3	40 A	690 V	Crimp
	E-Module	6	16 A	500 V	Crimp
	Axial Module	2	40 A	1000 V	Axial screw
	Axial Module	2	40 A	1000 V	Axial screw
	E-Module	6	16 A	500 V	Crimp

For more information see main catalogue 'Industrial Connectors Han®'

Han-Drive[®] Motor Connector



Han[®] Q 5/0

Part-Number

Drawing

Dimensions in mm

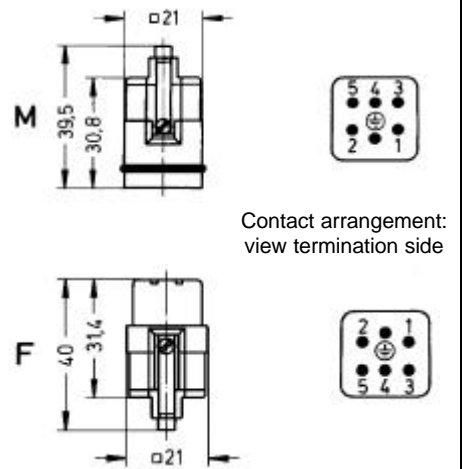
Insert

Order crimp contacts separately



male insert
09 12 005 3001

female insert
09 12 005 3101



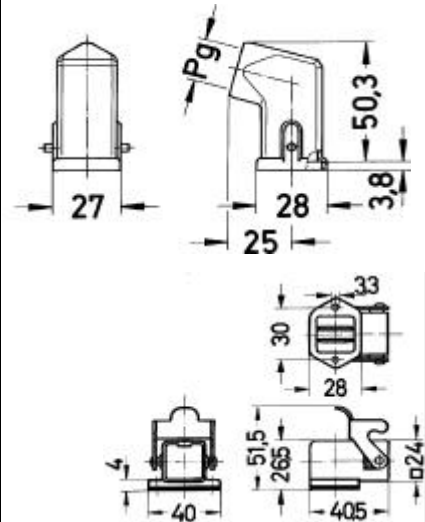
Contact arrangement:
view termination side

Standard Housings Han[®] 3A



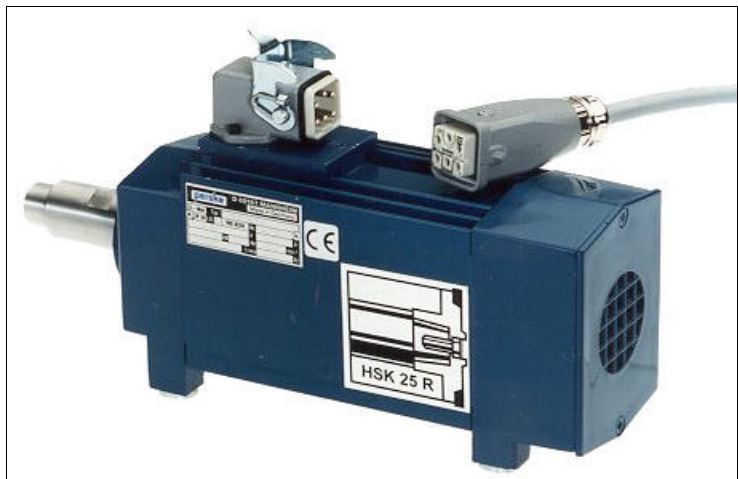
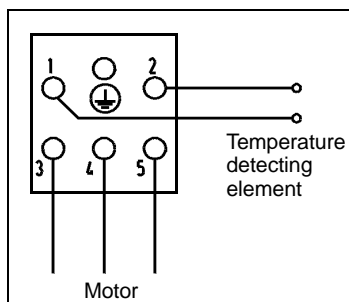
Hood
09 20 003 1440

Bulkhead mounted housing
09 20 003 0801



Application

To connect motors of smaller size, Han[®] Q 5/0 is the suitable connector.



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E-mail: de.han@HARTING.com