



Connector Sets for explosion-proof environments

Features

- Connector sets especially for explosion-proof applications
- Suitable for intrinsically safe circuits
- Hoods, housings and inserts in one set
- Inserts with compact design and a high number of connections
- Available with innovative Han-Quick Lock® termination technology

NOTICE Industrial connectors of the Han® Ex series are designed exclusively for the use in intrinsically safe electrical circuits of categories "ia", "ib" and "ic"!

- ▶ The explosion group is defined by the intrinsically safe equipment.
- ▶ Temperature class T6 according to DIN EN 60079-11

Technical characteristics

Specifications	DIN EN 60 079-0 DIN EN 60 079-11
Hoods/ housings	
Material	Zinc die cast
Colour	RAL 5015 (blue)
Surface	powder coated
Locking element	stainless steel
Lever type	metal lever
Seal	NBR
Limiting temperatures	-20 °C ... +40 °C
Protection degree acc. to DIN EN 60 529 in locked position	IP67 is achieved with seal screw and cable gland
Inserts	
Number of contacts	4, 7, 8, 12
Pollution degree	3
Insulation resistance	≥ 10 ¹⁰ Ω
Material	Polycarbonat
Limiting temperatures	-20 °C ... +40 °C
Mechan. working life - mating cycles	≥ 500
Contacts	
Material	copper alloy
Surface	
- hard-silver plated	3 µm Ag
Contact resistance	≤ 1 mΩ
Crimp termination	0.14 ... 2.5 mm ² AWG 26 ... 14
Han-Quick Lock® termination	0.5 ... 2.5 mm ² AWG 20 ... 14
Max. insulation diameter	3.6 mm

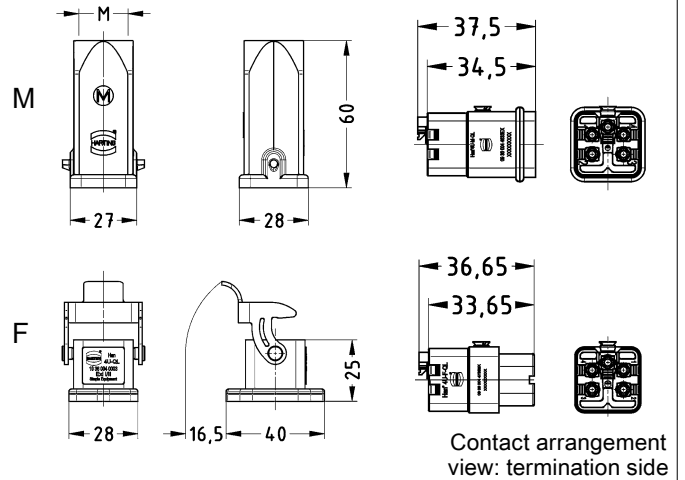
Identification Part number Size Drawing Dimensions in mm

Han® Ex 4A Quick Lock Set

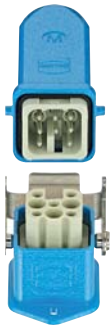


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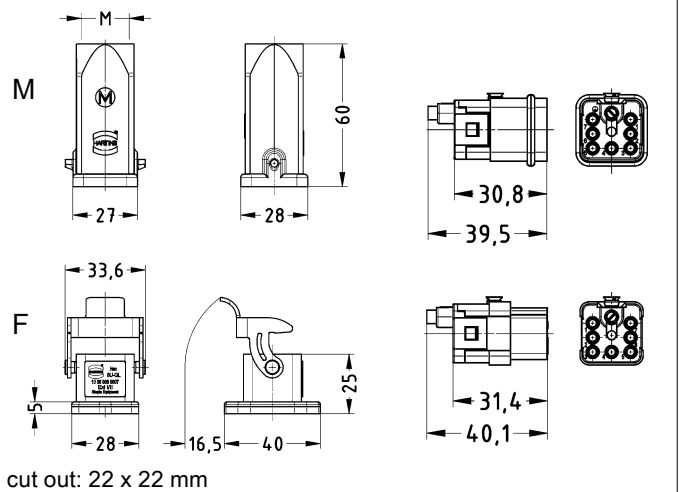


Han® Ex 8D Quick Lock Set



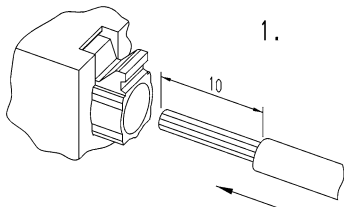
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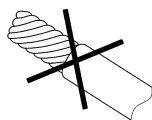


Assembly manual

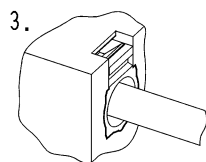
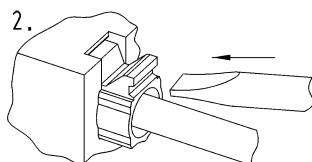
Remove cable jacket and strip the fine stranded wires



Do not twist the fine stranded wires!

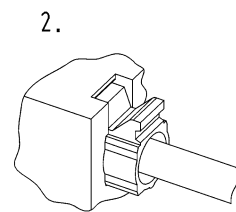
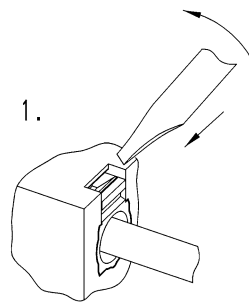


Push fine stranded wires into the Han-Quick Lock® contact and push the blue slide with a screw driver¹⁾ until it comes to a stop


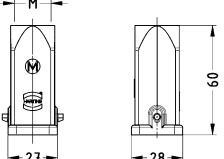
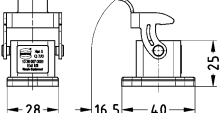
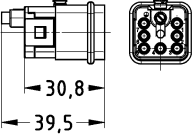
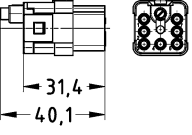

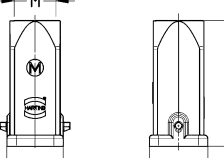
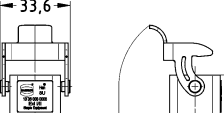
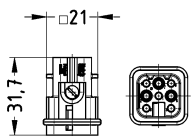
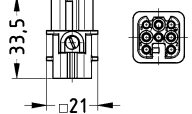

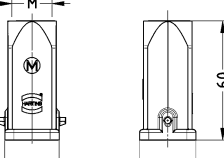
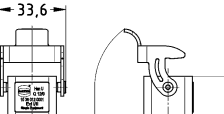
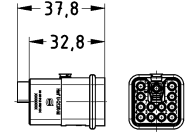
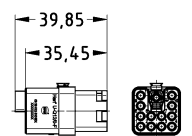



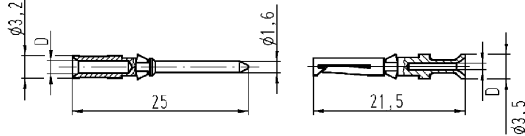
Removal manual

Please insert the screw driver¹⁾ at an angle of 45° into the opening and lever the blue slide out



¹⁾ Screw driver: 0.4 x 2.5 mm

Identification	Part number	Size	Drawing	Dimensions in mm
Han® Ex Q7 Set Order crimp contacts separately 	10 36 007 0001	3 A	M  F  Panel cut out: 22 x 22 mm	  Contact arrangement view: termination side
Han® Ex 8D Set Order crimp contacts separately 	10 36 008 0006	3 A	M  F  Panel cut out: 22 x 22 mm	 
Han® Ex Q12 Set Order crimp contacts separately 	10 36 012 0001	3 A	M  F  Panel cut out: 22 x 22 mm	 

Identification	Wire gauge mm ²	Partnumber		Drawing	Dimensions in mm																												
		Male contact	Female contact																														
Crimp contact silver plated 	0.14-0.37 0.5 0.75 1.0 1.5 2.5	09 15 000 6104 09 15 000 6103 09 15 000 6105 09 15 000 6102 09 15 000 6101 09 15 000 6106	09 15 000 6204 09 15 000 6203 09 15 000 6205 09 15 000 6202 09 15 000 6201 09 15 000 6206		<table border="1"> <thead> <tr> <th colspan="2">Wire gauge</th> <th>Ø mm</th> <th>Stripping length</th> </tr> </thead> <tbody> <tr> <td>0.14-0.37 mm²</td> <td>AWG 26-22</td> <td>0.9</td> <td>8 mm</td> </tr> <tr> <td>0.5 mm²</td> <td>AWG 20</td> <td>1.1</td> <td>8 mm</td> </tr> <tr> <td>0.75 mm²</td> <td>AWG 18</td> <td>1.3</td> <td>8 mm</td> </tr> <tr> <td>1.0 mm²</td> <td>AWG 18</td> <td>1.45</td> <td>8 mm</td> </tr> <tr> <td>1.5 mm²</td> <td>AWG 16</td> <td>1.75</td> <td>8 mm</td> </tr> <tr> <td>2.5 mm²</td> <td>AWG 14</td> <td>2.25</td> <td>6 mm</td> </tr> </tbody> </table>	Wire gauge		Ø mm	Stripping length	0.14-0.37 mm ²	AWG 26-22	0.9	8 mm	0.5 mm ²	AWG 20	1.1	8 mm	0.75 mm ²	AWG 18	1.3	8 mm	1.0 mm ²	AWG 18	1.45	8 mm	1.5 mm ²	AWG 16	1.75	8 mm	2.5 mm ²	AWG 14	2.25	6 mm
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