



# Han-Quintax<sup>®</sup>

Shielded Connector



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

## Technical Characteristics

### Features of the K-version

- Modular assembly (double module)
- Suitable for Han-Modular® frames
- Suitable for shielded cables with diameters of:
  - 3 - 6 mm
  - 6 - 9.5 mm
- Several independent cables can be integrated in one Han® housing without interruption of shielding.
- Polarized connection of Quintax contacts is only possible when mounted in a Quintax module.
- Ideal for the transmission of very sensitive signals (BUS signals).

### Features of the Z-version

- 2-part shielded bushing out of zinc alloy
- Easy and quick assembly
- Suitable for Han-Modular® frames partly for hinged frames only
- Just one version for all cable diameters 3 - 9.5 mm
- Male and female are compatible with the Quintax K-version

### Specifications

DIN VDE 0627  
DIN VDE 0110

### Quintax Module

Number of contacts	2
Pollution degree	3 (C)
Material	Polycarbonate
Insulation resistance	≥ 10 <sup>10</sup> W
Temperature range	-40°C ... +125°C
Flammability acc. UL 94	V 0
Mechanical working life	≥ 500

### Quintax Contacts

	K-version	Z-version
Reference	09 15 004 3..1	09 15 004 3..3
Number of contacts	4 + shielding	4 + shielding
Rated current	10 A	10 A
Rated voltage	42 V	42 V
Pollution degree	3 (C)	3 (C)
Material: - Insulator	Polycarbonate	Polycarbonate
- Outer conductor	Copper alloy	Zinc alloy
Insulation resistance	≥ 10 <sup>10</sup> W	≥ 10 <sup>10</sup> W
Contact resistance	£ 4 mW	£ 4 mW
Temperature range	-40°C ... +125°C	-40°C ... +70°C
Flammability acc. UL 94	V 0	V 0
Outer surface finish	Ni	Ni
Cable diameter	3 - 6 mm 6 - 9.5 mm	3 - 9.5 mm

### Han® D Contacts

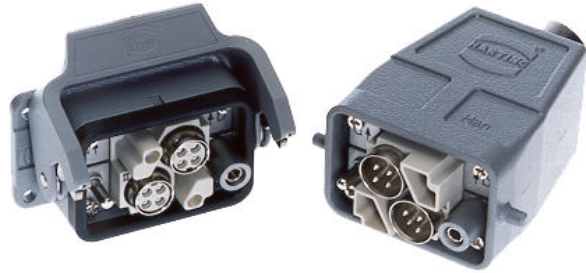
Material	Copper alloy
Surface	
- silver plated	3 µm Ag
- gold plated	2 µm Au over 3 µm Ni
Contact resistance	£ 3 mW
Crimp termination	
- mm <sup>2</sup>	0.14 - 2.5 mm <sup>2</sup>
- AWG	26 - 14

Identification	Wire gauge		Part No.		Drawing	Dimensions in mm
	mm <sup>2</sup>	Male contact	Female contact			
<b>Crimp contacts</b> order separately  silver plated   gold plated	0.14-0.37	silver plated	silver plated			
	0.5	09 15 000 6104	09 15 000 6204			
	0.75	09 15 000 6103	09 15 000 6203			
	1	09 15 000 6105	09 15 000 6205			
	1.5	09 15 000 6102	09 15 000 6202			
	2.5	09 15 000 6101	09 15 000 6201			
		09 15 000 6106	09 15 000 6206			
		gold plated	gold plated			
	0.14-0.37	09 15 000 6124	09 15 000 6224			
	0.5	09 15 000 6123	09 15 000 6223			
0.75	09 15 000 6125	09 15 000 6225				
1	09 15 000 6122	09 15 000 6222				
1.5	09 15 000 6121	09 15 000 6221				
2.5	09 15 000 6126	09 15 000 6226				

Wire Gauge		Ø	Stripping Length
0.14-0.37 mm <sup>2</sup>	AWG 26-22	0.90 mm	8 mm
0.5 mm <sup>2</sup>	AWG 20	1.10 mm	8 mm
0.75 mm <sup>2</sup>	AWG 18	1.30 mm	8 mm
1 mm <sup>2</sup>	AWG 18	1.45 mm	8 mm
1.5 mm <sup>2</sup>	AWG 16	1.75 mm	8 mm
2.5 mm <sup>2</sup>	AWG 14	2.25 mm	6 mm

Number of contacts  
**4 + Shielding**  
 per Quintax Contact

**2 Quintax Contacts**  
 per Han Quintax Module

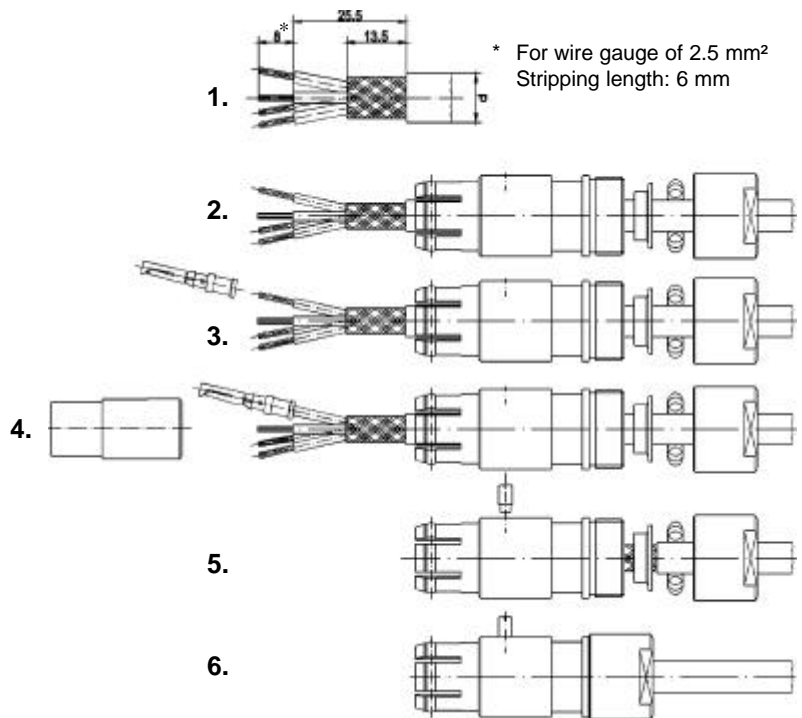


Identification	Male contact	Female contact	Drawing	Dimensions in mm	
<b>Quintax Module</b> 	09 14 002 3001	09 14 002 3101	<b>M</b>  <b>F</b> 	 Contact arrangement: View from the termination side	
<b>Quintax Module Metal version</b> 	09 14 002 3011 for frame 09 14 002 3013 for hinged frame	09 14 002 3111 for frame 09 14 002 3113 for hinged frame	<b>M</b>  <b>F</b> 	 Contact arrangement: View from the termination side	
Identification	Cable diameter mm	Part No. Male contact	Part No. Female contact	Drawing	Dimensions in mm
<b>Quintax K Contact</b> order contacts separately 	3 - 6 6 - 9.5	09 15 004 3001 09 15 004 3011	09 15 004 3101 09 15 004 3111		
Identification	Cable diameter mm	Part No. Male contact	Part No. Female contact	Drawing	Dimensions in mm
<b>Quintax Z Contact</b> zinc alloy order contacts separately 	3 - 9.5	09 15 004 3013	09 15 004 3113		
		Special clamp for cable diameter 3 - 6 and 6 - 9.5 mm included in delivery range			

## Assembling Manual

### Quintax K contact

1. Strip cable acc. to drawing 1.
2. Push piece parts onto cable in following order: lock nut, circular spring, lock disk (only for 3 - 6 mm cable diameter) and outer conductor (see 2.)
3. Crimp Han D contacts (see 3.)
4. Push crimped Han D contacts into insulator (see 4.)
5. Push wired insulator into outer conductor. Please notice correct position for fixing with M3 screw (see 5.)
6. Fix the insulator with M3 screw in the slot of insulator. It is correctly assembled, when the screw is less than 3 mm out of outer conductor (see 5.).
7. Push back lock disk (3 - 6 mm cable Ø), circular spring and lock nut. Please notice that the circular spring has to contact the cable shielding outside (see 5.).
8. Tighten lock nut with an SW 12 wrench. Notice: the circular spring can be damaged. The Quintax module can be used as a help to hold the Quintax contact (see 6.).
9. Push the Quintax contact into the Quintax module.



### Quintax Z contact

1. Strip cable acc. to drawing 1 and fold the shielding over the cable.
2. Crimp contacts onto the wires.
3. Insert contacts into corresponding cavities of insulator until they are snapped in.
4. Fit the insert including the cable into the opened shielded bushing. The coding pin of the shielded bushing has to meet the groove of the insulator.
5. Clamp the tilt over the shielding onto the cable by means of the special clamp (small opening for cable diameter of 3 - 6 mm, large opening for cable diameter of 6 - 9.5 mm).
6. Check the wiring
7. Close the shielded bushing with the cover and insert it into corresponding cavity of the Quintax module as usual.

