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Han-Modular® 70 A Hybrid Module



Number of contacts

1 x 70 A
4 x 16 A



Identification		Part-Number		Drawings	Dimensions in mm
		Male insert (M)	Female insert (F)		
Han® 70 A Hybrid Module axial screw terminal	6 ... 16 mm ²	09 14 005 2646	09 14 005 2741		M
	14 ... 22 mm ²	09 14 005 2647	09 14 005 2742		

Identification	Part-Number	Depiction
Hex Key SW 2.5 for axial screw terminal Bit ¼ "	09 99 000 0375	

Wire gauge		Part-Number		Drawings	Dimensions in mm																											
Identification	(mm ²)	Male insert (M)	Female insert (F)																													
Signal contacts	0.14-0.37	09 33 000 6127	09 33 000 6227		<table border="1"> <thead> <tr> <th>Identification</th> <th>Wire gauge</th> <th>Stripping length</th> </tr> </thead> <tbody> <tr> <td>no groove</td> <td>0.14 ... 0.37 mm²</td> <td>AWG 26-22</td> </tr> <tr> <td>no groove</td> <td>0.5 mm²</td> <td>AWG 20</td> </tr> <tr> <td>1 groove*</td> <td>0.75 mm²</td> <td>AWG 18</td> </tr> <tr> <td>1 groove</td> <td>1 mm²</td> <td>AWG 18</td> </tr> <tr> <td>2 grooves</td> <td>1.5 mm²</td> <td>AWG 16</td> </tr> <tr> <td>3 grooves</td> <td>2.5 mm²</td> <td>AWG 14</td> </tr> <tr> <td>wide groove</td> <td>3 mm²</td> <td>AWG 12</td> </tr> <tr> <td>no groove</td> <td>4 mm²</td> <td>AWG 12</td> </tr> </tbody> </table>	Identification	Wire gauge	Stripping length	no groove	0.14 ... 0.37 mm ²	AWG 26-22	no groove	0.5 mm ²	AWG 20	1 groove*	0.75 mm ²	AWG 18	1 groove	1 mm ²	AWG 18	2 grooves	1.5 mm ²	AWG 16	3 grooves	2.5 mm ²	AWG 14	wide groove	3 mm ²	AWG 12	no groove	4 mm ²	AWG 12
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crimperterminal	0.5	09 33 000 6121	09 33 000 6020																													
silver plated	0.75	09 33 000 6114	09 33 000 6214																													
	1	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																													
	3	09 33 000 6106	09 33 000 6206																													
	4	09 33 000 6107	09 33 000 6207																													
gold plated	0.14-0.37	09 33 000 6117	09 33 000 6117																													
	0,5	09 33 000 6122	09 33 000 6222																													
	0.75	09 33 000 6115	09 33 000 6215																													
	1	09 33 000 6118	09 33 000 6218																													
	1.5	09 33 000 6116	09 33 000 6216																													
	2.5	09 33 000 6123	09 33 000 6223																													
	4	09 33 000 6119	09 33 000 6221																													

*on the back crimp collar

Han-Modular® 70 A Hybrid Module



Features

- one contact (70 A) for power circuits
- four contacts (16 A) for signal circuits
- Combination of Power and signal contacts in one modul

Technical characteristics

Specifications

DIN EN 60 664-1
 DIN EN 60 61984

Inserts

Number of contacts	1 / 4
Electrical data accd. to DIN EN 61 984	
Power contacts	70 A 1000 V 8 kV 3
Rated current	70 A
Rated voltage	1000 V
Rated impulse voltage	8 kV
Pollution degree	3
Signal contacts	16 A 400 V 6 kV 3
Rated current	16 A
Rated voltage	400 V
Rated impulse voltage	6 kV
Pollution degree	3

Insulation resistance	≥ 10 ¹⁰ Ω
Material	Polycarbonate
Limiting temperatures	-40 °C ... +125 °C
Flammability accd. to UL 94	V 0
Mechanical working life	≥ 500 mating cycles

Power Contacts

Material	Copper alloy
Surface	
- hard-silver plated	3 µm Ag
Contact resistance	≤ 0.5 mΩ
Axial screw terminal	
- geometric wire gauge	6 ... 22 mm ²
- AWG	8 ... 4
- Hexagonal drive	SW 2.5

Tightening torque

mm ²	6	10	16	22
Nm	2	3	4	5

Stripping length

mm ²	6	10	16	22
mm	11 ⁺¹	11 ⁺¹	11 ⁺¹	12.5 ⁺¹

Signal Contacts

Material	Copper alloy
Surface	
- hard-silver plated	3 µm Ag
- hard-gold plated	2 µm Ag over 3 µm Ni
Contact resistance	≤ 1 mΩ
Crimp terminal	
- mm ²	0.14 ... 4 mm ²
- AWG	26 ... 12