

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		
	14 ... 22 mm ²	09 14 005 2647		

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

Identification	Wire gauge (mm ²)	Male insert (M)	Female insert (F)	Drawings	Dimensions in mm
Signal contacts					
crimp terminal	0.14-0.37	09 33 000 6127	09 33 000 6227		
silver plated	0.5	09 33 000 6121	09 33 000 6020		
	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		

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 grooves*	0.75 mm ²	AWG 18
1 grooves	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

*on the back crimp collar

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	$\geq 10^{10} \Omega$
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 μ m Ag
Contact resistance	≤ 0.5 m Ω
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 μ m Ag
- hard-gold plated	2 μ m Ag over 3 μ m Ni
Contact resistance	≤ 1 m Ω
Crimp terminal	
- mm ²	0.14 ... 4 mm ²
- AWG	26 ... 12