

# 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)		
<b>Han® 70 A Hybrid Module</b> axial screw terminal 6 ... 16 mm <sup>2</sup>	09 14 005 2646	09 14 005 2741		 M  F
	14 ... 22 mm <sup>2</sup>	09 14 005 2647		

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

Identification	Wire gauge (mm <sup>2</sup> )	Male insert (M)	Female insert (F)	Drawings	Dimensions in mm
<b>Signal contacts</b>	0.14-0.37	09 33 000 6127	09 33 000 6227		
crimp terminal	0.5	<b>09 33 000 6121</b>	<b>09 33 000 6020</b>		
silver plated	0.75	<b>09 33 000 6114</b>	<b>09 33 000 6214</b>		
	1	<b>09 33 000 6105</b>	<b>09 33 000 6205</b>		
	1.5	<b>09 33 000 6104</b>	<b>09 33 000 6204</b>		
	2.5	<b>09 33 000 6102</b>	<b>09 33 000 6202</b>		
	3	09 33 000 6106	09 33 000 6206		
	4	<b>09 33 000 6107</b>	<b>09 33 000 6207</b>		
gold plated	0.14-0.37	09 33 000 6117	09 33 000 6117		
	0.5	<b>09 33 000 6122</b>	<b>09 33 000 6222</b>		
	0.75	<b>09 33 000 6115</b>	<b>09 33 000 6215</b>		
	1	<b>09 33 000 6118</b>	<b>09 33 000 6218</b>		
	1.5	<b>09 33 000 6116</b>	<b>09 33 000 6216</b>		
	2.5	<b>09 33 000 6123</b>	<b>09 33 000 6223</b>		
	4	09 33 000 6119	09 33 000 6221		

  

Identification	Wire gauge	Stripping length
no groove	0.14 ... 0.37 mm <sup>2</sup>	AWG 26-22
no groove	0.5 mm <sup>2</sup>	AWG 20
1 grooves*	0.75 mm <sup>2</sup>	AWG 18
1 grooves	1 mm <sup>2</sup>	AWG 18
2 grooves	1.5 mm <sup>2</sup>	AWG 16
3 grooves	2.5 mm <sup>2</sup>	AWG 14
wide groove	3 mm <sup>2</sup>	AWG 12
no groove	4 mm <sup>2</sup>	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	$\geq 500$ mating cycles

### Power Contacts

Material	Copper alloy
Surface	
- hard-silver plated	3 $\mu$ m Ag
Contact resistance	$\leq 0.5$ m $\Omega$
Axial screw terminal	
- geometric wire gauge	6 ... 22 mm <sup>2</sup>
- AWG	8 ... 4
- Hexagonal drive	SW 2.5

Tightening torque

mm <sup>2</sup>	6	10	16	22
Nm	2	3	4	5

Stripping length

mm <sup>2</sup>	6	10	16	22
mm	11 <sup>+1</sup>	11 <sup>+1</sup>	11 <sup>+1</sup>	12.5 <sup>+1</sup>

### Signal Contacts

Material	Copper alloy
Surface	
- hard-silver plated	3 $\mu$ m Ag
- hard-gold plated	2 $\mu$ m Ag over 3 $\mu$ m Ni
Contact resistance	$\leq 1$ m $\Omega$
Crimp terminal	
- mm <sup>2</sup>	0.14 ... 4 mm <sup>2</sup>
- AWG	26 ... 12