

heavy|mate F

Pin/Socket Module

Features

- Unique solutions
- High contact density - 36 contacts
- Receptacle- and Cable side - finger proof
- Mating under load to 60 watts
- With contacts N0x 016 0057 3 for PCB adapter
- EN45545 R22, R23, HL3

Area of Application

- Recloser
- Machine tools
- Switch cabinets
- ...

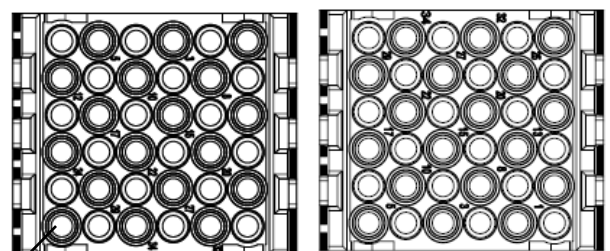


ALWAYS FITS

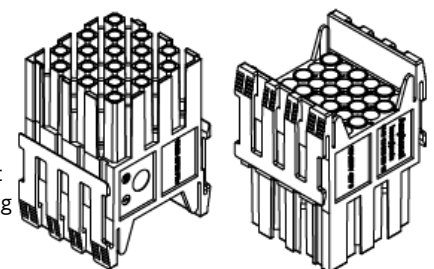
Technical Data

General Characteristics	Standard	Value
Number of contacts		36 (18x pin, 18x socket)
Termination technique		crimp / PCB (in combination with PCB Adapter C146 10B006 300 15)
Wire gauge		0,14 mm ² - 2,5 mm ² AWG 26 - AWG 14
Max. insulation diameter		3,7 mm
Electrical Characteristics	Standard	Value
Rated voltage	IEC 60664-1	250 V
Pollution degree	IEC 60664-1	3
Installation (overvoltage) category	IEC 60664-1	3
Material group	IEC 60664-1	1
Rated impulse withstand voltage	IEC 60664-1	4 kV
Rated current T _{amb} = 40°C		10 A
Contact resistance	IEC 60512-2-1	≤ 5 mΩ
Insulation resistance	IEC 60512-3-1	≥ 10 ¹⁰ Ω
Climatical Characteristics	Standard	Value
Climatic category	IEC 60068-1	40 / 125 / 10
Upper temperature	IEC 60512-11-9	+125 °C
Lower temperature	IEC 60512-11-10	+40°C
Mechanical Characteristics	Standard	Value
Mechanical operation	IEC 60512-9-1	≥ 500 mating cycles / ≥ 2000 mating cycles with special contact plating
Materials	Standard	Value
Insert		PA66-GF
Flammability	UL 94	V-0
Color		black
Partnumber		
Pin module 36 pole	C146 10A036 600 15	
Socket module 36 pole	C146 10B036 600 15	

Contact plating	Wire gauge	AWG	Unit	Partnumber	
				Pin	Socket
Turned crimp contacts 1,6 mm, single contact					
Silver	0,14 - 0,37 mm ²	26-22	100	VN01 016 0024 1C	VN02 016 0024 1C
	0,5 „ ²	20	100	VN01 016 0025 1C	VN02 016 0025 1C
	0,75 - 1,0 mm ²	20-16	100	VN01 016 0026 1C	VN02 016 0026 1C
	1,5 mm ²	16-15	100	VN01 016 0027 1C	VN02 016 0027 1C
Gold	2,5 mm ²	14	100	VN01 016 0028 1C	VN02 016 0028 1C
	0,14 - 0,37 mm ²	26-22	100	VN01 016 0024 2C	VN02 016 0024 2C
	0,5 mm ²	20	100	VN01 016 0025 2C	VN02 016 0025 2C
	0,75 - 1,0 mm ²	20-16	100	VN01 016 0026 2C	VN02 016 0026 2C
	1,5 mm ²	16-15	100	VN01 016 0027 2C	VN02 016 0027 2C
	2,5 mm ²	14	100	VN01 016 0028 2C	VN02 016 0028 2C



Attention!
 Mixed mating interface!
 Pin contacts fit into contact chamber with embossed ring,
 socket contacts fit into contact chamber without embossed ring



General Information

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