

Radsok Modules

Your advantages

- Crimp version - secure and stable termination
- Currents up to 150A per contact
- Wire gauges 16 / 25 / 35mm²
- Fits in modular system, can be combined with other modules

Areas of application

- Wind power
- Welding robots
- Railways
- Machinery
- Switchgears



Technical Data

Parameter	Standard	Value
Number of contacts		2
Termination technique		crimp
Wire gauge		16 / 25 / 35mm ²
Flammability	UL 94	V-0
Temperature range	IEC 60068-1	-40 to +125°C
Mechanical operation	IEC 60512-5; -9-1	Max. 500 mating cycles
Rated voltage	IEC 60664-1	1000 V
Pollution degree	IEC 60664-1	3
Material group	IEC 60664-1	II (PA)
Installation (over voltage) category	IEC 60664-1	III
Rated impulse withstand voltage	IEC 60664-1	8,0 kV
Current carrying capacity	IEC 60512-2; 5-2	See De-ratings
Rated current ($\vartheta_{amb}=40^{\circ}\text{C}$) & 35mm ² wire		150A
Contact resistance	IEC 60512-2; 2-1	< 1m Ohm
Insulation resistance	IEC 60512-2; -2-1	> 10 ⁸ Ohm
IP degree of protection	IEC 60529	20

Materials

Inserts		PA
Contacts		Cu-alloy, silver plated

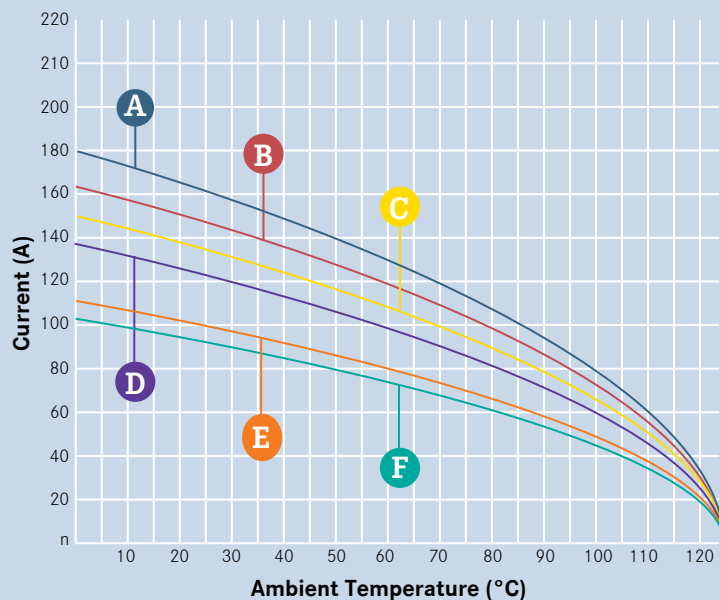
Description	Modules	Contacts
Male Insert 2 pole	C146 A02 001 E8	N01 060 0007 1 - For wire gauge 16mm ² N01 060 0004 1 - For wire gauge 25mm ² N01 060 0008 1 - For wire gauge 35mm ²
Female Insert 2 pole	C146 B02 001 E8	N02 060 6117 001 - For wire gauge 16mm ² N02 060 6114 001 - For wire gauge 25mm ² N02 060 6118 001 - For wire gauge 35mm ²

Tooling

B-Crimp with EK60/22-L from Klauke or AHPW300 from Neko with crimp dies from Amphenol:

TE 0600 062	For 16mm ² or AWG 6
TE 0600 042	For 25mm ² or AWG 4
TE 0600 022	For 35mm ² or AWG 2

Derating Curve 6mm Radsok Contacts C146M



- A** 2 pole / 35mm²
- B** 6 pole / 35mm²
- C** 2 pole / 25mm²
- D** 6 pole / 25mm²
- E** 2 pole / 16mm²
- F** 6 pole / 16mm²

NB: Due to reduced cross sections at PE contacts of frames, the PE contact has to be additionally protected against short circuits by using a protection circuit offering a sufficiently short breaking time (<0,25s).

Parts to be used as connectors, not as plug devices (connector with breaking capacity). Do not mate under current or voltage!

General Information

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