

## Power up with Radsok modules!



### Your Advantages

- Crimp version – secure & stable termination
- Currents up to 150A per contact
- wire gauges 16 / 25 / 35mm<sup>2</sup>
- Fits in modular system, can be combined with other modules

### Areas of application

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

## Preliminary Technical data

General Characteristics	Standard	Value
Number of contacts		2
Termination technique		crimp
Wire gauge		16 / 25 / 35mm <sup>2</sup>
Flammability	UL 94	V-0

### Climatic Characteristics

Temperature range	IEC 60068-1	-40 to +125°C
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### Mechanical Characteristics

Mechanical operation	IEC 60512-5; test 9a	Max. 500 mating cycles
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### Electrical Characteristics

Rated voltage	IEC 60664-1	1000V
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; test 5b	See De-ratings
Rated current ( $\vartheta_{amb}=40^{\circ}\text{C}$ ) & 35mm <sup>2</sup> wire		150A
Contact resistance	IEC 60512-2; test 2a	< 1 mOhm
Insulation resistance	IEC 60512-2; test 2a	> 10 <sup>8</sup> Ohm
IP degree of protection	IEC 60529	20

### Materials

Inserts		PA
Contacts		Cu-alloy
Surface of contacts		Ag (silver)
Colour		black

### Part Numbers

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

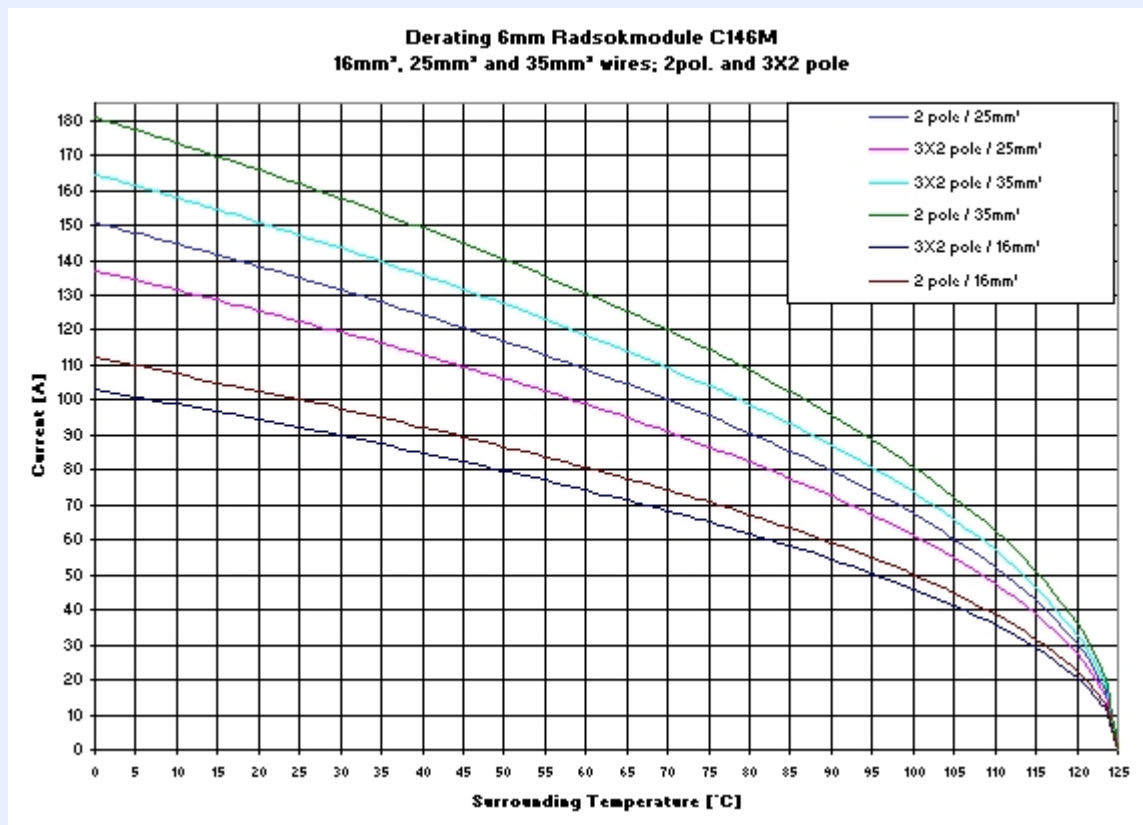
## Tooling

### Possible tools:

- a) HK 60VP from Klauke (Attention: crimp is not gas proof, means de-rating decreases after aging)
- b) B-Crimp with EK60/22-L from Klauke or AHPW300 from Neko with crimp dies from Amphenol:

TE 0600 062	For 16mm <sup>2</sup> or AWG 6
TE 0600 042	For 25mm <sup>2</sup> or AWG 4
TE 0600 022	For 35mm <sup>2</sup> or AWG 2

## De-Rating:



**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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