

heavy | mate F

1 pol Powermodul

• Advantage:

- Max. 325 A - highest current in this size
- For 25mm² to 95mm² wires
- Low insertion force by RADSOK
- Up to 3 poles in one conector
- Combination with data and signal contacts
- ...

• Application:

- Energy storage
- Railway
- Automation
- ...



Technical Datas:



C146 10B001 600 15



C146 10A001 600 15



General Characteristics	Standard	Value
Number of contacts		1
Termination technique		crimp
Wire gauge		25 mm ² - 95 mm ² / AWG 4 - AWG 000
Max insulation diameter		20 mm
Flammability	UL 94 / EN 45545	V-0 / R22HC3
Electrical Characteristics	Standard	Value
Rated voltage	IEC 60664-1	1000 V
Pollution degree	IEC 60664-1	3
Installation (overvoltage) category	IEC 60664-1	3
Rated impuls withstand voltage	IEC 60664-1	8 kV
Rated current T _{amb} = 40°C		325 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 / 0
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
Materials		
Insert / Contacts		PA66-GF / CuZn (brass)
Contact plating		Ag (silver)
Color		black

Turned single contact 10 mm					Tools	
wire gauge	AWG	pcs	Pin contact	Socket contact	Crimping die	Tools
25 mm ²	4	1	N01 100 5099 001	N02 100 6119 002	TE 0600 042	Hydraulic crimping tool EK12042 from Klauke or AHPW 400C from Neko. Additional tools see catalogue "Tools"
35 mm ²	2	1	N01 100 6000 001	N02 100 6120 002	TE 0600 022	
50 mm ²	1	1	N01 100 6001 001	N02 100 6121 002	TE 0500 103	
70 mm ²	0	1	N01 100 6002 001	N02 100 6122 002	TE 0500 201	
95 mm ²	0	1	N01 100 6003 001	N02 100 6123 002	TE 0500 301	

Derating according DIN EN60512-5-2

