

New inserts 5+ PE and 7+ PE

heavy|mate® Q

C 146 Q

Characteristics:

- 5+ PE & 7+PE contacts
- 400 V also in small housings
- up to 25 A at 40°C

Applications:

- Machinery
- Windpower
- Drives
- Railways



Technical data

General Characteristics	Standard	Value
Number of contacts		5+PE / 7+PE
Termination technique		crimp
Wire gauge		0,5 - 4,0mm ² (AWG 20 - 12) 0,14-2,5mm ² (AWG 26-14)
Flammability	UL94	V-0

Electrical characteristics

Rated voltage	IEC 60664-1	400V
Pollution degree	IEC 60664-1	3
Overvoltage category	IEC 60664-1	3
Material group	IEC 60664-1	3b
Rated impulse withstand voltage	IEC 60664-1	4,0 / 6,0 kV
Current carrying capacity	IEC 60512-3-5	see derating
Contact resistance	IEC 60512-2-2	≤ 5 mΩ
Insulation resistance	IEC 60512-23	≥10 ¹⁰ Ω

Climatical characteristics

Climatic category	IEC 60068-1	40 / 125 / 21
Upper temperature	IEC 60512-6-11	125°C
Lower temperature	IEC 60512-6-11	-40°C

Mechanical characteristics

Mechanical operation	IEC 60512-5-9	≥ 500 mating cycles
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Materials

Contact carrier		PC
Contacts		Cu-alloy
Contact plating		Silver / Gold
Colour		Grey

General Information

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Description	Part number	Contacts
Male insert 5 pole	C146 10A005 500 12	VN01 025 0035 1C
		VN01 025 0036 1C
		VN01 025 0037 1C
		VN01 025 0038 1C
		VN01 025 0039 1C
Female insert 5 pole	C146 10B005 500 12	VN02 025 0035 1C
		VN02 025 0036 1C
		VN02 025 0037 1C
		VN02 025 0038 1C
		VN02 025 0039 1C
Male insert 7 pole	C146 10A007 500 12	VN01 016 0024 1C
		VN01 016 0025 1C
		VN01 016 0026 1C
		VN01 016 0027 1C
		VN01 016 0028 1C
Female insert 7 pole	C146 10B007 500 12	VN02 016 0024 1C
		VN02 016 0025 1C
		VN02 016 0026 1C
		VN02 016 0027 1C
		VN02 016 0028 1C

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