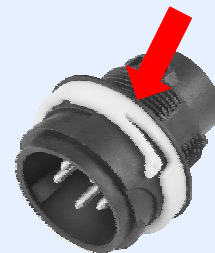


Innovative Interconnect solution for PV inverter

4 + PE Plastic Connector for up to 50A/600V!



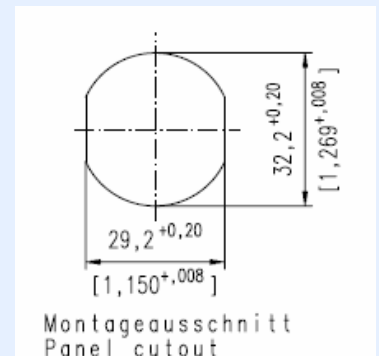
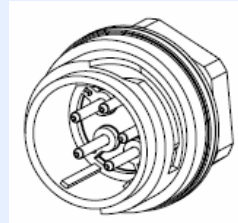
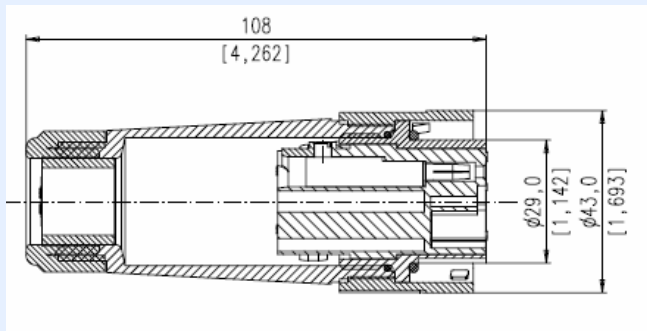
NEW:

Optional secured locking feature acc.
DIN VDE 0126-3

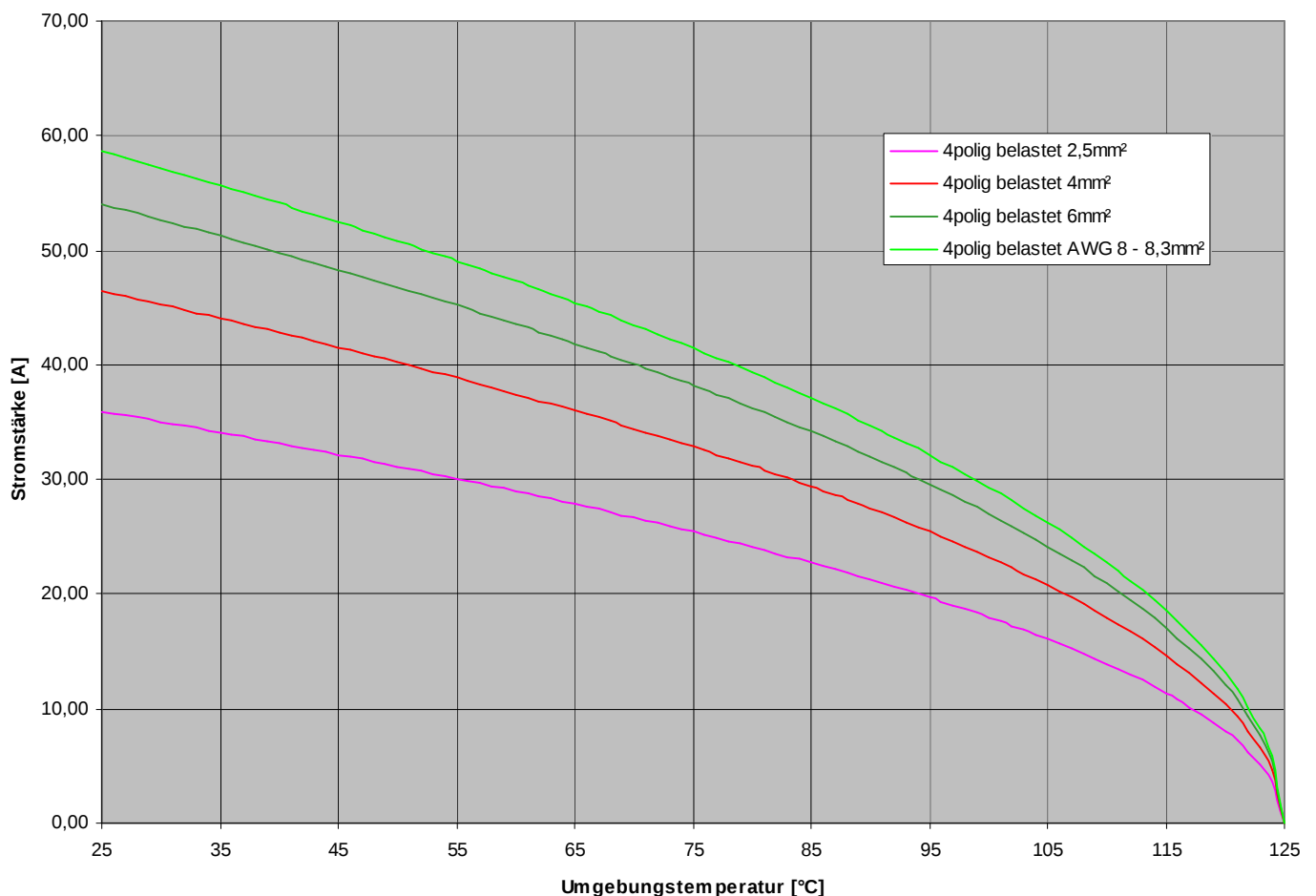
Features

- 50A per contact at 40°C ambient with wire size 6,0mm²
- Contacts with screw connection for up to 6 mm² (bigger wires sizes available on request)
- Bayonet locking
- Secured locking feature optionally
- IP65
- Compact dimensions
- UV resistant
- VDE, UL

Dimensions (mm)



Derating



General Characteristics

Standards

Number of contacts		4 + PE
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Electrical Characteristics

Rated voltage	DIN EN 60664-1 (=VDE 0110-1 = IEC 60664-1)	600 V
Rated impulse withstand voltage	DIN EN 60664-1	6000 V
Pollution degree	DIN EN 60664-1	Mated: 3, Unmated: 2
Installation (overvoltage) category	DIN EN 60664-1	3
Material group	DIN EN 60664-1	2
Current carrying capacity at 40°C ambient	DIN EN 60512-5-2, Test 5b UL 1977	50A when using 6mm ² wire
Insulation resistance	DIN EN 60512-3-1, Test 3a	>10 ⁸ Ω
Contact resistance	DIN EN 60512-2-1, Test 2a	≤ 5 mΩ

Climatic Characteristics

Climatic category	DIN EN 60068-1	25/100/56
Operating temperature		-25°C - +125°C

Mechanical Characteristics

Degree of protection	DIN EN 60529	IP 65
Insertion and withdrawal force	DIN EN 60512-13-2, Test 13b	10N – 50N
Mechanical operation	DIN EN 60512, Test 9a	>250 mating cycles

Materials

Housing material		PA
Dielectric material		PA
Gaskets		Neoprene / EPDM
Contact plating		Silver plated

Other Characteristics

Wire connection		Screw type
Wire gauge		2,5 / 4,0 / 6,0 mm
Outer cable diameters *		11-20 mm
Flammability class	UL 94	V0
Locking system		Bayonet

*for cable diameters 11-13 mm use external cable clamp

Available Types

Part Numbers

Female cable connector 4 + PE	C016 20E004 800 2 with standard bayonet locking
Male receptacle 4 + PE	C016 20P004 800 2 with standard bayonet locking

Female cable connector 4 + PE	With secured bayonet locking:	C016 20E004 801 2
Male receptacle 4 + PE	With secured bayonet locking:	C016 20P004 801 2

General Information

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