

# ST-6EP1N8A8002 - Cable connector



1613556

<https://www.phoenixcontact.com/us/products/1613556>

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Cable connector, application: Power, straight, Screw locking mechanism, M17, number of positions: 6+PE, contact connection type: Pin, shielded: yes, cable diameter range: 3.5 mm ... 5 mm, number of positions: 7, connection method: Crimp connection, series: ST

The figure shows the 4-pos.  
(3+PE) product version

## Commercial data

Item number	1613556
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	NULL
Product key	ABRBEA
GTIN	4046356401067
Weight per piece (including packing)	66.046 g
Weight per piece (excluding packing)	66.046 g
Customs tariff number	85366990
Country of origin	DE

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## Technical data

### Notes

Order information:	Order crimp contacts Ø 1 mm separately
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### Product properties

Product type	Circular connector (cable-side)
Series	ST
Application	Power
Number of positions	7
Connection profile	6+PE
Shielded	yes
Coding	N
Thread type	M17

### Material specifications

Seal material	FPM
Housing material	Metal
Housing material	Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn)
Insulator material	PA 6.6
Gasket and O-ring material	FPM

### Connection data

#### Conductor connection

Connection method	Crimp connection
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### Electrical properties

#### Contact: Contact group 1

Contact diameter	1 mm
Nominal current $I_N$	14 A
Nominal voltage $U_N$	630 V
Overvoltage category	III
Degree of pollution	3
Rated surge voltage	6 kV

#### Contact: Contact group 2

Contact diameter	1 mm
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### Connector

Type	straight
Direction of rotation	Standard

### Cable/line

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External cable diameter	3.5 mm ... 5 mm
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## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP67
Ambient temperature (operation)	-40 °C ... 125 °C
Altitude	3000 m

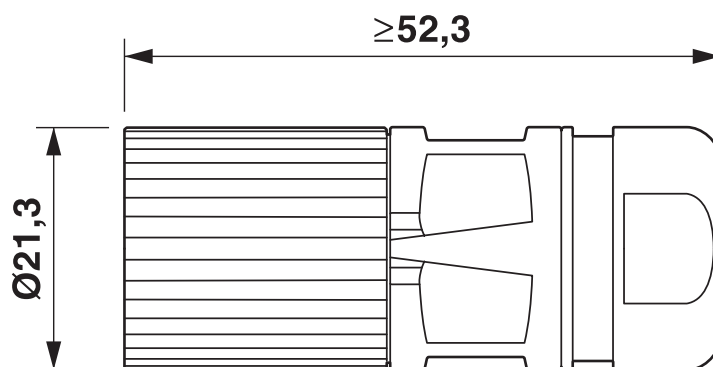
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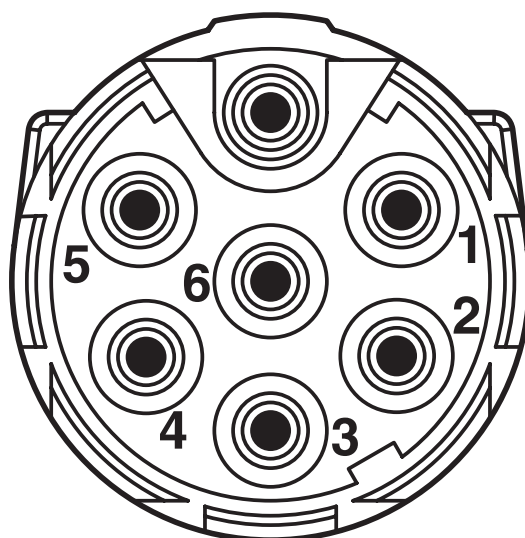
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## Drawings

Dimensional drawing



Schematic diagram



Connector pin assignment

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$I$  = current strength,  $\vartheta$  = ambient temperature, 3x 14 A + 2x 2 A constant

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## Environmental product compliance

EU REACH SVHC

REACH candidate substance (CAS No.)	
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	No substance above 0.1 wt%
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