

# ST-7ES1N8A8002 - Cable connector



1607752

<https://www.phoenixcontact.com/us/products/1607752>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



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

Cable connector, application: Power, straight, Screw locking mechanism, M17, number of positions: 7+PE, contact connection type: Socket, shielded: yes, cable diameter range: 3.5 mm ... 5 mm, number of positions: 8, connection method: Crimp connection, series: ST

## Commercial data

Item number	1607752
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	NULL
Product key	ABRBEA
GTIN	4046356274494
Weight per piece (including packing)	29.51 g
Weight per piece (excluding packing)	29.51 g
Customs tariff number	85366990
Country of origin	DE

# ST-7ES1N8A8002 - Cable connector



1607752

<https://www.phoenixcontact.com/us/products/1607752>

## Technical data

### Notes

Order information:	Order crimp contacts Ø 1 mm separately
--------------------	--

### Product properties

Product type	Circular connector (cable-side)
Series	ST
Application	Power
Number of positions	8
Connection profile	7+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
-------------------	------------------

### 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
------------------	------

### Connector

Type	straight
Direction of rotation	Standard

### Cable/line

# ST-7ES1N8A8002 - Cable connector



1607752

<https://www.phoenixcontact.com/us/products/1607752>

External cable diameter	3.5 mm ... 5 mm
-------------------------	-----------------

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP67
Ambient temperature (operation)	-40 °C ... 125 °C
Altitude	2000 m

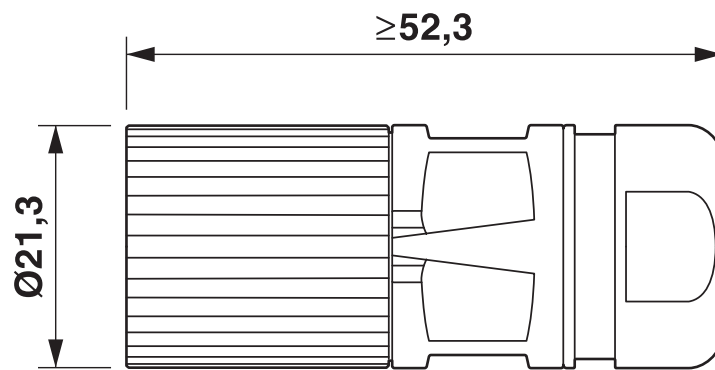
# ST-7ES1N8A8002 - Cable connector

1607752

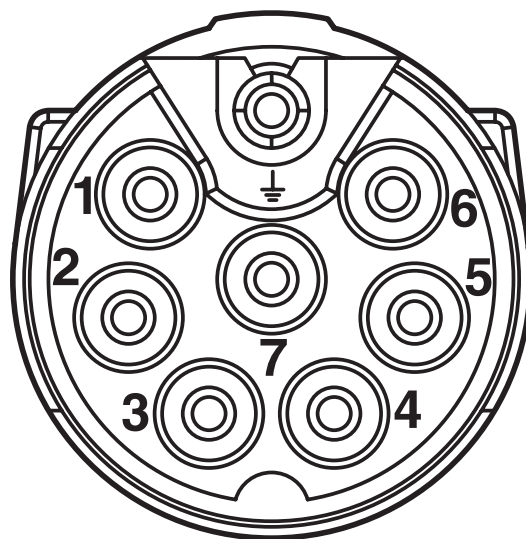
<https://www.phoenixcontact.com/us/products/1607752>

## Drawings

Dimensional drawing



Schematic diagram



Connector pin assignment

# ST-7ES1N8A8002 - Cable connector



1607752

<https://www.phoenixcontact.com/us/products/1607752>



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

# ST-7ES1N8A8002 - Cable connector



1607752

<https://www.phoenixcontact.com/us/products/1607752>

## Environmental product compliance

EU REACH SVHC

REACH candidate substance (CAS No.)	
-------------------------------------	--

	No substance above 0.1 wt%
--	----------------------------

Phoenix Contact 2026 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)