

Cable connector - ST-6ES1N8A8005 - 1624549

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's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Cable connector, straight, Screw locking, M17, Number of positions: 6+PE, Type of contact: Socket, Crimp connection, shielded: yes, Cable diameter: 10 mm...12.5 mm

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

Product Features

- Consistent EMC protection for reliable connection solutions in the industrial environment
- Crimping connection: vibration- and temperature-resistant assembly
- Flexible use: reliably connect various cable diameters
- Molded designs with pre-assembled cables on one or both sides



Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	60.0 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

General

Note	Order information: Order crimp contacts Ø 1 mm separately
Type of locking	Screw locking
Direction of rotation of contact chamber numbering	Standard
Coding	N
Contact connection method	Crimp connection
Type of contacts	Socket
Number of positions	7
Contact diameter of power contacts	1 mm
Nominal current per power contact at 25°C	14 A

Cable connector - ST-6ES1N8A8005 - 1624549

Technical data

General

Contact diameter of signal contacts	1 mm
Conductor entry	10 mm ... 12.5 mm
Pg housing screw connection	none

Ambient conditions

Ambient temperature	-40 °C ... 125 °C
Degree of protection	IP67

Specifications according to DIN EN 61984:2001

Installation height max.	3000 m
Nominal / operating voltage of power contacts	630 V
Rated surge voltage of power contacts	6 kV
Overvoltage category of power contacts	III
Degree of pollution of power contacts	3

Classifications

eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27260701
eCl@ss 5.1	27260701
eCl@ss 6.0	27260708
eCl@ss 7.0	27440312
eCl@ss 8.0	27440102

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC001121
ETIM 5.0	EC002641

UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201404
UNSPSC 13.2	43201404

Cable connector - ST-6ES1N8A8005 - 1624549

Approvals

Approvals


Approvals


UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

UL Recognized 	
mm ² /AWG/kcmil	1.0
Nominal current I _N	6 A
Nominal voltage U _N	600 V

cUL Recognized 	
mm ² /AWG/kcmil	1.0
Nominal current I _N	6 A
Nominal voltage U _N	600 V

EAC

cULus Recognized 
--

Drawings

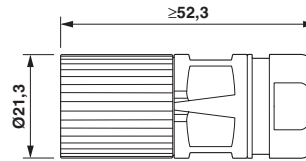
Cable connector - ST-6ES1N8A8005 - 1624549

Schematic diagram

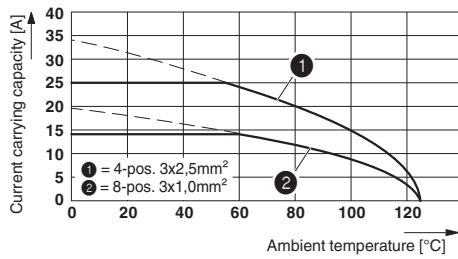


Connector pin assignment

Dimensional drawing



Diagram



Diagram

