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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## Device connector, rear mounting - ST-5EP1N8AH100S - 1613549

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Device connector, rear mounting, straight, SPEEDCON locking, M17, Number of positions: 5+PE, Type of contact: Male connector, Crimp connection, Axial O-ring, Central fixing, shielded: yes

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

### Why buy this product

- ✓ Application-specific wall mounting optionally with thread or anti-rotation protection and lock nut
- ✓ Consistent EMC protection for reliable connection solutions in the industrial environment
- ✓ Crimping connection: vibration- and temperature-resistant assembly



### Key Commercial Data

Packing unit	1 STK
Weight per Piece (excluding packing)	28.150 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	SPEEDCON locking
Direction of rotation of contact chamber numbering	Standard
Coding	N
Contact connection method	Crimp connection
Type of contacts	Male connector
Number of positions	6
Contact diameter of power contacts	1 mm

# Device connector, rear mounting - ST-5EP1N8AH100S - 1613549

## Technical data

### General

Nominal current per power contact at 25°C	14 A
Contact diameter of signal contacts	1 mm
Pg housing screw connection	none
Mounting type	Central fixing

### Ambient conditions

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

### Material

Housing material	Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn)
Insulator material	PA 66
Gasket and O-ring material	FPM

### 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

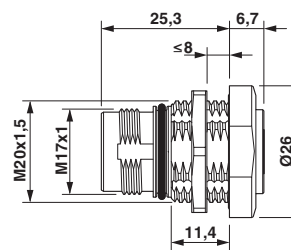
## Drawings

Schematic diagram



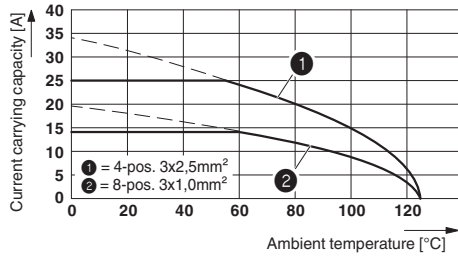
Connector pin assignment

Dimensional drawing

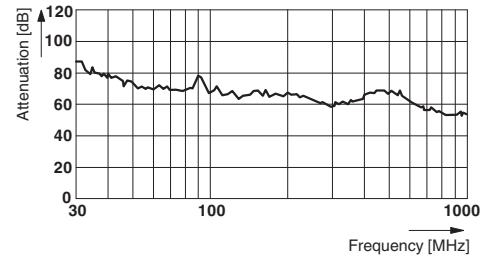


# Device connector, rear mounting - ST-5EP1N8AH100S - 1613549

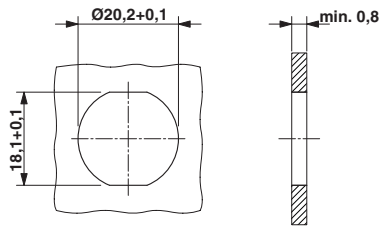
Diagram



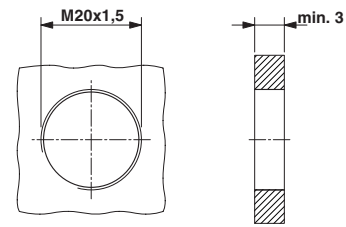
Diagram



Dimensional drawing



Dimensional drawing



Installation dimensions: mounting with anti-rotation protection and locking nut

Installation dimensions: mounting with thread

## Classifications

eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27143424
eCl@ss 5.1	27143424
eCl@ss 6.0	27143424
eCl@ss 7.0	27440209
eCl@ss 8.0	27440103
eCl@ss 9.0	27440102

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC001121
ETIM 5.0	EC002061

UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404



# Device connector, rear mounting - ST-5EP1N8AH100S - 1613549

## Classifications

### UNSPSC

UNSPSC 11	43172015
UNSPSC 12.01	43201404
UNSPSC 13.2	43201404

## Approvals


### Approvals


#### Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized


#### Ex Approvals

### Approval details

UL Recognized  <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> FILE E 335019	
mm <sup>2</sup> /AWG/kcmil	1.0
Nominal current IN	6 A
Nominal voltage UN	600 V

cUL Recognized  <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> FILE E 335019	
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EAC B.01742
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cULus Recognized  <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>
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## Device connector, rear mounting - ST-5EP1N8AH100S - 1613549

### Accessories

#### Accessories

#### Crimp contact

Crimp contact - ST-10KP010 - 1618255



Crimp contact, turned, Single contact, Contact diameter: 1 mm, Crimp range: 0.06 mm<sup>2</sup>...0.25 mm<sup>2</sup>

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Crimp contact - ST-10KP020 - 1618256



Crimp contact, turned, Single contact, Contact diameter: 1 mm, Crimp range: 0.34 mm<sup>2</sup>...0.5 mm<sup>2</sup>

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Crimp contact - ST-10KP030 - 1618261



Crimp contact, turned, Single contact, Contact diameter: 1 mm, Crimp range: 0.5 mm<sup>2</sup>...1 mm<sup>2</sup>

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Crimp contact - SF-10KP320 - 1615961



Crimp contact, Rolled, Taped articles, Number of pieces per reel: 2500, Contact diameter: 1 mm, Crimp range: 0.06 mm<sup>2</sup>...0.25 mm<sup>2</sup>

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Crimp contact - SF-10KP350 - 1615963



Crimp contact, Rolled, Taped articles, Number of pieces per reel: 2500, Contact diameter: 1 mm, Crimp range: 0.2 mm<sup>2</sup>...0.56 mm<sup>2</sup>

## Device connector, rear mounting - ST-5EP1N8AH100S - 1613549

### Accessories

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Crimp contact - SF-10KP330 - 1615962



Crimp contact, Rolled, Taped articles, Number of pieces per reel: 10000, Contact diameter: 1 mm, Crimp range: 0.06 mm<sup>2</sup>...0.25 mm<sup>2</sup>

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Crimp contact - SF-10KP360 - 1615964



Crimp contact, Rolled, Taped articles, Number of pieces per reel: 10000, Contact diameter: 1 mm, Crimp range: 0.2 mm<sup>2</sup>...0.56 mm<sup>2</sup>

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### Mounting material

Color-coding - ST-Z0019 - 1620621



Color-coding, Color: green

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Color-coding - ST-Z0020 - 1620622



Color-coding, Color: orange

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Color-coding - ST-Z0021 - 1620623



Color-coding, Color: black

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## Device connector, rear mounting - ST-5EP1N8AH100S - 1613549

### Accessories

M20 x 1.5 locking nut - RC-13041 - 1600417



M20 x 1.5 locking nut

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Contact removal tool - ST-Z0001 - 1607770



Unlocking tool for contact carriers for snapping in the M17 device connectors

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### Protective cover

Plastic dust protection cap - ST-Z0006 - 1607776



Plastic dust protection cap for connectors with M17 external thread

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Metal dust protection cap - ST-Z0014 - 1616069



Metal dust protection cap for connectors, with M17 external thread

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Metal dust protection cap - ST-Z0013 - 1616068



Metal dust protection cap with steel wire for connectors with M17 external thread

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