

## Coupler connector - ST-6ES1N8A9005S - 1624551

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>)




Coupler connector, straight, for standard and SPEEDCON interlock, M17, number of positions: 6+PE, type of contact: Socket, Crimp connection, shielded: yes, cable diameter range: 10 mm ... 12.5 mm

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

### Your advantages

- ✓ 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

### Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 622929
GTIN	4046356622929
Weight per Piece (excluding packing)	48.400 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	for standard and SPEEDCON interlock
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

# Coupler connector - ST-6ES1N8A9005S - 1624551

## 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

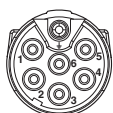
Installation height max.	3000 m
Nominal / operating voltage of power contacts	630 V
Rated surge voltage of power contacts	6 kV
Overvoltage category of power contacts	III
Degree of pollution of power contacts	3

### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

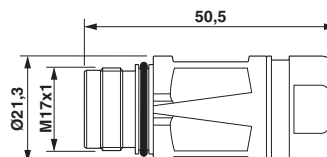
## Drawings

Schematic diagram

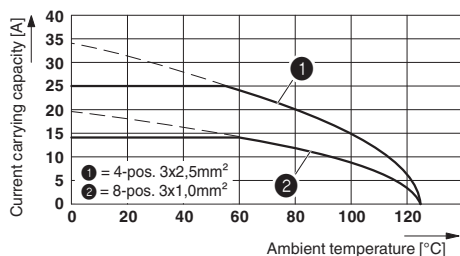


Connector pin assignment

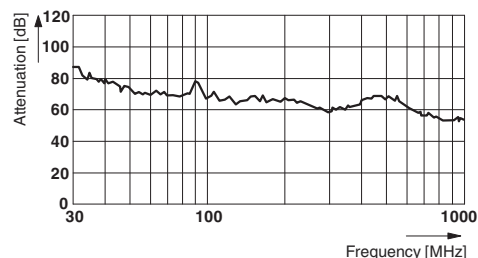
Dimensional drawing



Diagram



Diagram



# Coupler connector - ST-6ES1N8A9005S - 1624551

## Classifications

### eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27260701
eCl@ss 5.1	27260700
eCl@ss 6.0	27260700
eCl@ss 7.0	27440102
eCl@ss 8.0	27440102
eCl@ss 9.0	27440103

### ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC001121
ETIM 5.0	EC002635
ETIM 6.0	EC002061

### UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201404
UNSPSC 13.2	39121413

## 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
Nominal voltage UN	600 V		
Nominal current IN	6 A		
mm <sup>2</sup> /AWG/kcmil	18		

# Coupler connector - ST-6ES1N8A9005S - 1624551

## Approvals

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
Nominal voltage UN		600 V	
Nominal current IN		6 A	
mm <sup>2</sup> /AWG/kcmil		18	

EAC		B.01742
-----	--	---------

cULus Recognized	
------------------	--

## Accessories

### Accessories

#### Crimp contact

Crimp contact - ST-10KS010 - 1618239



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

Crimp contact - ST-10KS020 - 1618251



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

Crimp contact - ST-10KS030 - 1618254



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

## Coupler connector - ST-6ES1N8A9005S - 1624551

### Accessories

#### Mounting material

Color-coding - ST-Z0016 - 1617993



Color-coding, color: green

---

Color-coding - ST-Z0017 - 1618049



Color-coding, color: orange

---

Color-coding - ST-Z0018 - 1618050



Color-coding, color: black

---

Square mounting flange with O-ring - ST-Z0002 - 1607771



Square mounting flange with O-ring, Axial O-ring, 4x Ø2,7

---

Square mounting flange with O-ring - ST-Z0003 - 1607772



Square mounting flange with O-ring, Axial O-ring, 4xM3

---

## Coupler connector - ST-6ES1N8A9005S - 1624551

### Accessories

Square mounting flange - ST-Z0004 - 1607773



Square mounting flange, 4x Ø2,7

---

Square mounting flange - ST-Z0005 - 1607775



Square mounting flange, 4xM3

---

### Protective cover

Protective cap - ST-Z0006 - 1607776



Plastic protection cap for connectors with M17 external thread

---

Metal protective cap - ST-Z0014 - 1616069



Metal protection cap for connectors with M17 external thread

---

Metal protective cap - ST-Z0013 - 1616068



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

---