

## Coupler connector - ST-8ES1N8A9005S - 1624654

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Coupler connector, straight, for standard and SPEEDCON interlock, M17, number of positions: 5+3+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

RoHS

### Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 623049
GTIN	4046356623049
Weight per Piece (excluding packing)	49.000 g
Custom tariff number	85366990
Country of origin	Germany

### Technical data

#### General

Note	Order information: Order crimp contacts 5 x 0.6 mm, 4 x 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	9
Contact diameter of power contacts	1 mm

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## Technical data

### General

Nominal current per power contact at 25°C	14 A
Contact diameter of signal contacts	0.6 mm
Nominal current per signal contact at 25°C	3.6 A
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
Nominal / operating voltage of signal contacts	60 V
Rated surge voltage of signal contacts	1.5 kV
Overvoltage category of signal contacts	III
Degree of pollution of signal 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"

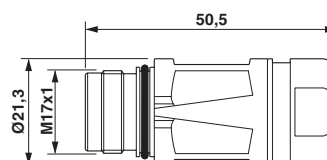
## Drawings

Schematic diagram



Connector pin assignment

Dimensional drawing



## Classifications

eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701

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### Classifications

#### eCl@ss

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


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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	3.5 A		
mm²/AWG/kcmil	20		

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### Approvals

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EAC		B.01742
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cULus Recognized	
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### Accessories

#### Accessories

#### Crimp contact

Crimp contact - ST-06KS010 - 1607580



Crimp contact, turned, contact diameter: 0.6 mm, crimp range: 0.06 mm² ... 0.25 mm²

Crimp contact - ST-06KS020 - 1607581



Crimp contact, turned, contact diameter: 0.6 mm, crimp range: 0.14 mm² ... 0.34 mm²

Crimp contact - ST-06KS030 - 1607582



Crimp contact, turned, contact diameter: 0.6 mm, crimp range: 0.34 mm² ... 0.5 mm²

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### Accessories

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>

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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>

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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>

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### Mounting material

Color-coding - ST-Z0016 - 1617993



Color-coding, color: green

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Color-coding - ST-Z0017 - 1618049



Color-coding, color: orange

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### Accessories

Color-coding - ST-Z0018 - 1618050



Color-coding, color: black

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



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

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



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

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Square mounting flange - ST-Z0004 - 1607773



Square mounting flange, 4x Ø2,7

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Square mounting flange - ST-Z0005 - 1607775



Square mounting flange, 4xM3

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Protective cover

## Coupler connector - ST-8ES1N8A9005S - 1624654

### Accessories

Protective cap - ST-Z0006 - 1607776



Plastic protection cap for connectors with M17 external thread

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Metal protective cap - ST-Z0014 - 1616069



Metal protection cap for connectors with M17 external thread

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Metal protective cap - ST-Z0013 - 1616068



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

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