

Coupler connector - ST-6ES1N8A9K02S - 1618708

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: 3.5 mm ... 5.5 mm

The figure shows the 4-position version

Your advantages

- ✓ Reduced size: ideal for compact devices
- ✓ 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 809689
GTIN	4046356809689

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
Contact diameter of signal contacts	1 mm
Conductor entry	3.5 mm ... 5.5 mm

Coupler connector - ST-6ES1N8A9K02S - 1618708

Technical data

General

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

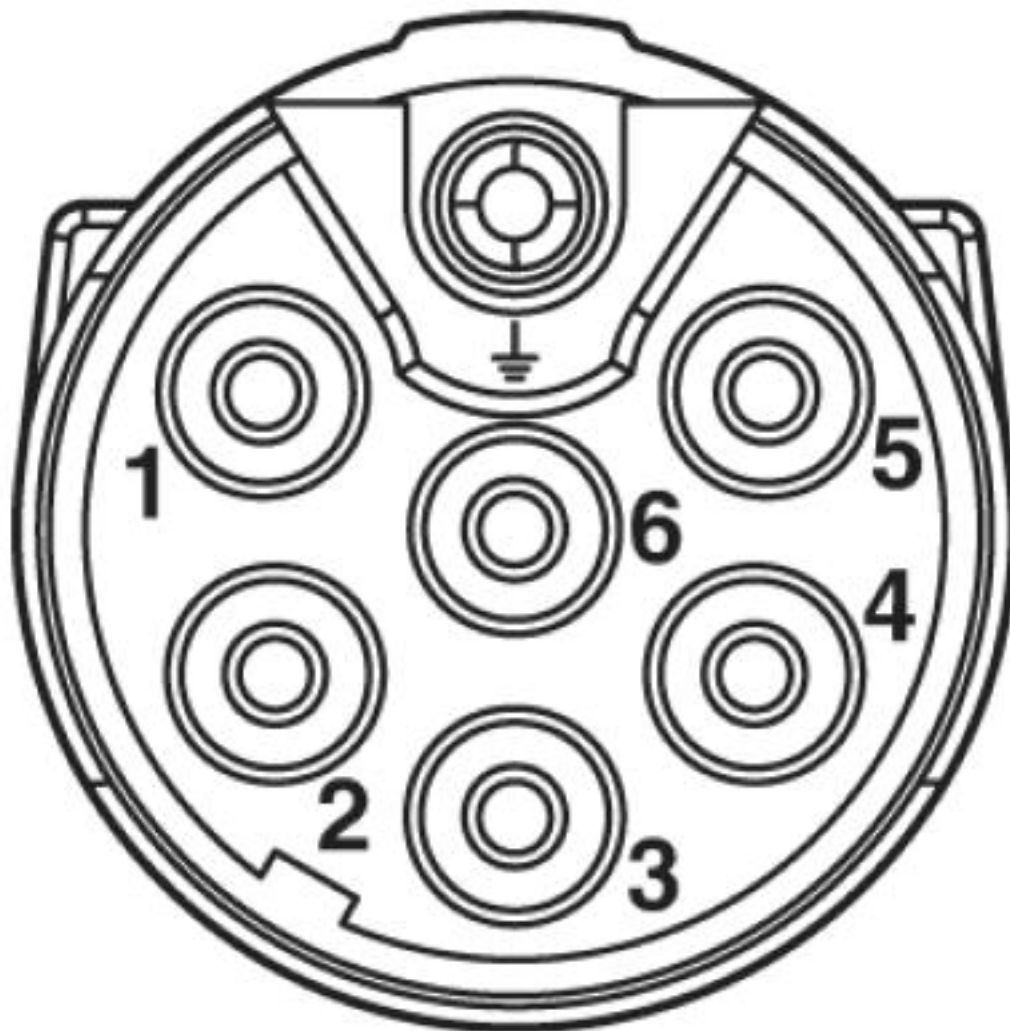
Environmental Product Compliance

	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

Coupler connector - ST-6ES1N8A9K02S - 1618708

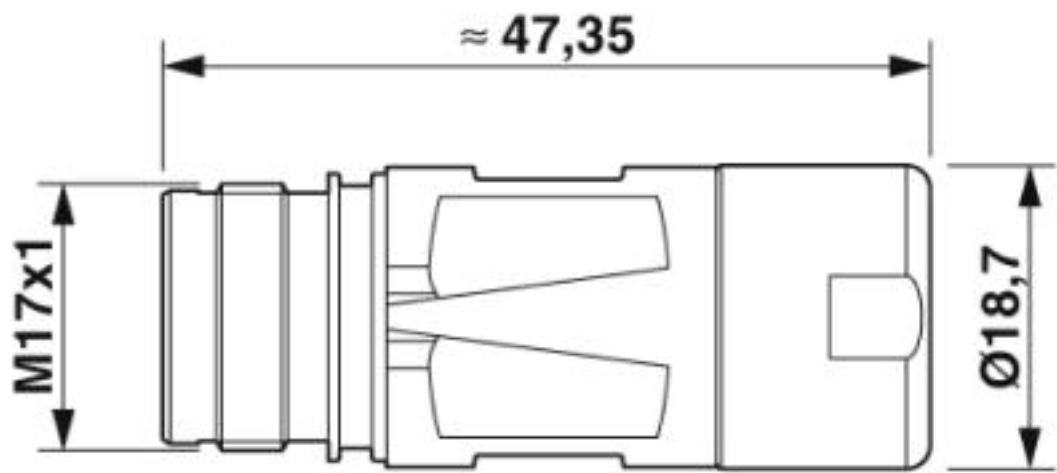
Schematic diagram



Connector pin assignment

Coupler connector - ST-6ES1N8A9K02S - 1618708

Dimensional drawing



Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

Approval details

UL Recognized			http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 335019
Nominal voltage UN		600 V		
Nominal current IN		6 A		
mm²/AWG/kcmil		18		

cUL Recognized			http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 335019
Nominal voltage UN		600 V		
Nominal current IN		6 A		
mm²/AWG/kcmil		18		

Coupler connector - ST-6ES1N8A9K02S - 1618708

Approvals

EAC



B.01742

cULus Recognized



Phoenix Contact 2019 © - all rights reserved
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>