

Coupler connector - SB-8EPCA8A9L33S - 1623357

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>)




Coupling connector, straight long, shielded: yes, for standard and SPEEDCON interlock, M40, No. of pos.: 4+4+4+PE / 3+N+PE, type of contact: Pin, Crimp connection, cable diameter range: 14 mm ... 20.5 mm

Your advantages

- Transmission of signals, data, and power in just a single connector
- CAT5 data interface for up to 100 Mbps
- Mechanical coding reliably prevents incorrect connections
- Safe use in the field, thanks to high degree of protection
- Consistent EMC protection for reliable connection solutions in the industrial environment

Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 194684
GTIN	4055626194684

Technical data

Temperature range

Ambient temperature (operation)	-40 °C ... 130 °C
---------------------------------	-------------------

Data of the insulating body

Data rate	100 Mbps
Coding	CAT5, coding 1
Contact connection method	Crimp connection
Type of contacts	Pin
Application	Hybrid
Number of positions	13
Contact diameter of power contacts	3.6 mm
Litz wire cross section of power contacts min.	1 mm ²
Litz wire cross section of power contacts max.	16 mm ²

Coupler connector - SB-8EPCA8A9L33S - 1623357

Technical data

Data of the insulating body

Nominal current per power contact at 25°C	70 A
Rated surge voltage	6 kV
Rated voltage (II/3) power contact	850 V DC
Rated voltage (III/3) power contact	630 V \hat{v} AC
Contact diameter of signal contacts	1 mm
Litz wire cross section of signal contacts min.	0.06 mm ²
Litz wire cross section of signal contacts max.	1.5 mm ²
Nominal current per signal contact at 25°C	8 A
Rated surge voltage	6 kV
Overvoltage category	III
Degree of pollution	3
Rated voltage (III/3) signal contact	500 V
Contact diameter, data contacts	0.8 mm
Litz wire cross section, data contacts, min.	0.08 mm ²
Litz wire cross section, data contacts, max.	0.5 mm ²
Nominal current per data contact at 25°C	3.6 A
Rated surge voltage	1.5 kV
Rated voltage (III/3) data contact	50 V

Housing data

Housing material	Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn)
Type of locking	for standard and SPEEDCON interlock
Degree of protection (when plugged in)	IP68/IP69K
Thread type	M40

Cable seal data

Cable diameter	14 mm ... 20.5 mm
Sealing material	FKM

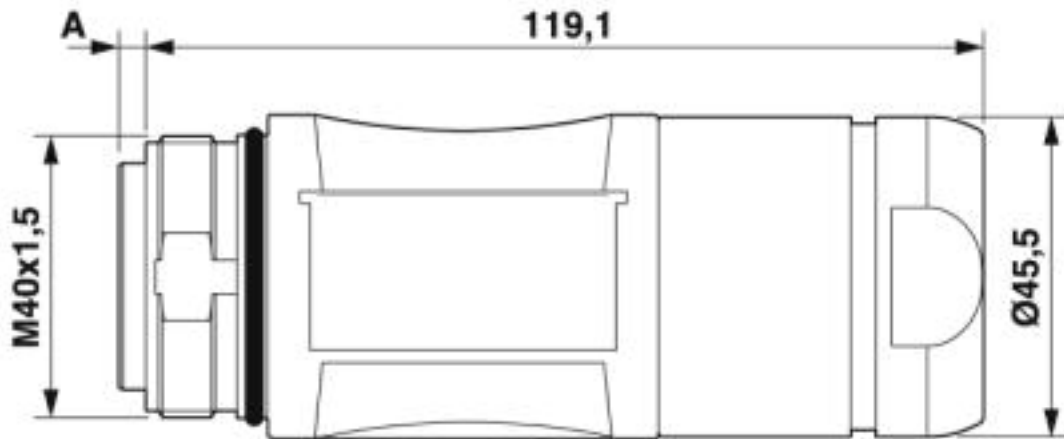
Environmental Product Compliance

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

Coupler connector - SB-8EPCA8A9L33S - 1623357

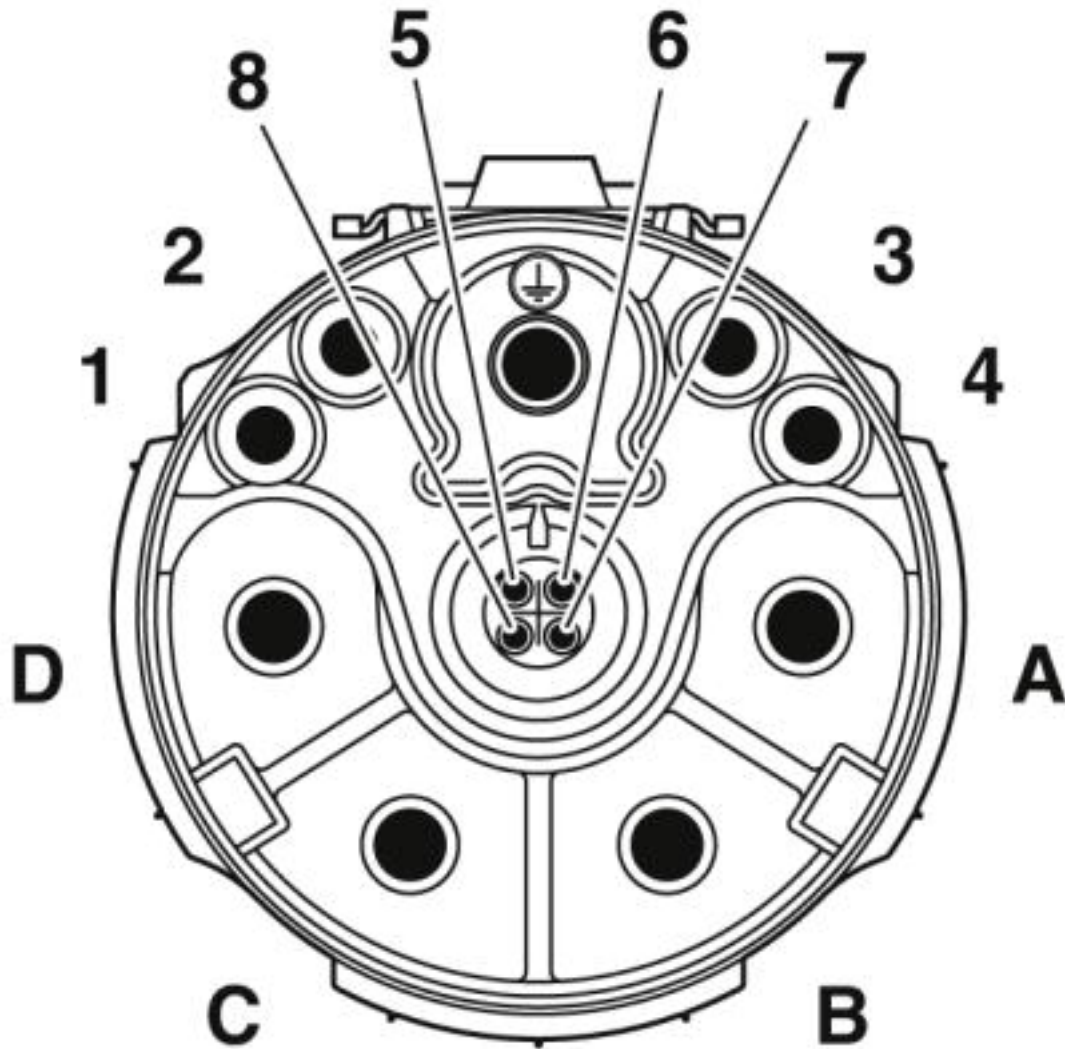
Dimensional drawing



Pin version: dimension A = 3.8 mm, socket version: dimension A = 0.15 mm

Coupler connector - SB-8EPCA8A9L33S - 1623357

Schematic diagram



Pin assignment of pin CAT5, coding 1

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / cULus Recognized

Ex Approvals

Approval details

Coupler connector - SB-8EPCA8A9L33S - 1623357

Approvals

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm 20170915-E468743
Nominal voltage UN		600 V
Nominal current IN		50 A
mm ² /AWG/kcmil		6

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm 20170915-E468743
Nominal voltage UN		600 V
Nominal current IN		42 A
mm ² /AWG/kcmil		6

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>