

Device connector, front mounting - SH-8EPC58AWA00S - 1621569

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Device connector for front wall, SH, straight, shielded: yes, for standard and SPEEDCON interlock, M23, No. of pos.: 4+4+4+PE / 3+N+PE, type of contact: Pin, Crimp connection, Axial O-ring, 4x Ø 3.2, flange dimensions: 26 mm x 26 mm

Your advantages

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

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 937177
GTIN	4046356937177

Technical data

Temperature range

Ambient temperature (operation)	-40 °C ... 130 °C
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Data of the insulating body

Note	Order information: Crimp contacts, 4x Ø 0.8 mm, 4x Ø 1 mm, 5x Ø 2 mm, order separately
Protection against electric shock	IEC 61984 and VDE 0623
Data rate	100 Mbps
Coding	N
Insulator material	PA 6.6
Insertion/withdrawal cycles mechanical	100
Contact connection method	Crimp connection
Type of contacts	Pin
Application	Hybrid

Device connector, front mounting - SH-8EPC58AWA00S - 1621569

Technical data

Data of the insulating body

Number of positions	13
Direction of rotation	Standard
Contact diameter of power contacts	2 mm
Litz wire cross section of power contacts min.	0.25 mm ²
Litz wire cross section of power contacts max.	4 mm ²
Rated current for power contacts	30 A
Note	for max. connection cross section
Rated surge voltage	6 kV
Rated voltage (II/3) power contact	850 V DC
Rated voltage (III/3) power contact	630 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 mm ²
Nominal current per signal contact	8 A
Note	for max. connection cross section
Rated surge voltage	1.5 kV
Rated voltage (III/3) signal contact	50 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
Rated current of each data contact at 25°C	3.6 A
Note	for max. connection cross section
Rated voltage of data contact	50 V
Rated surge voltage	1.5 kV
Installation height	2000 m

Housing data

Housing material	Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn)
Flange dimensions	26 mm x 26 mm
Type of locking	for standard and SPEEDCON interlock
Degree of protection (when plugged in)	IP67
	IP68
Thread type	M23

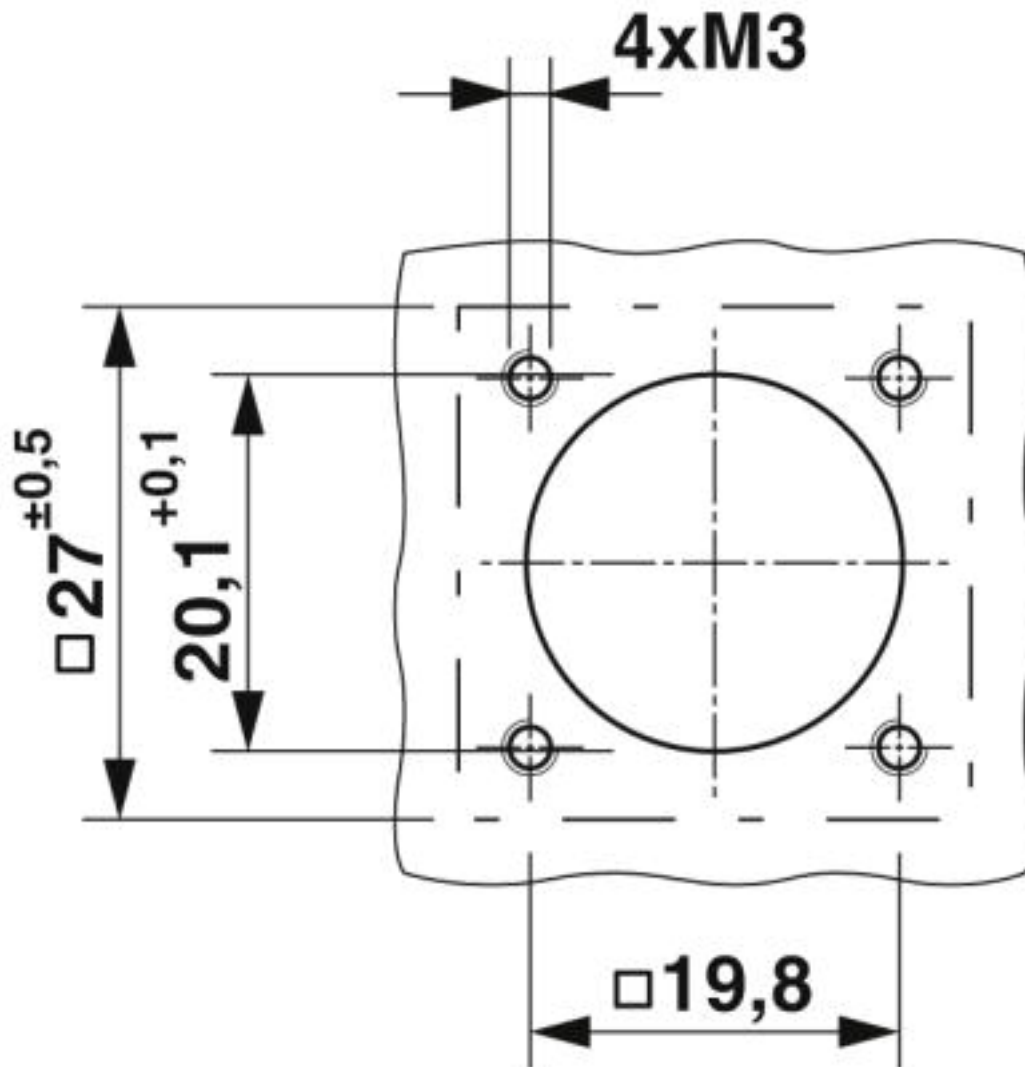
Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Device connector, front mounting - SH-8EPC58AWA00S - 1621569

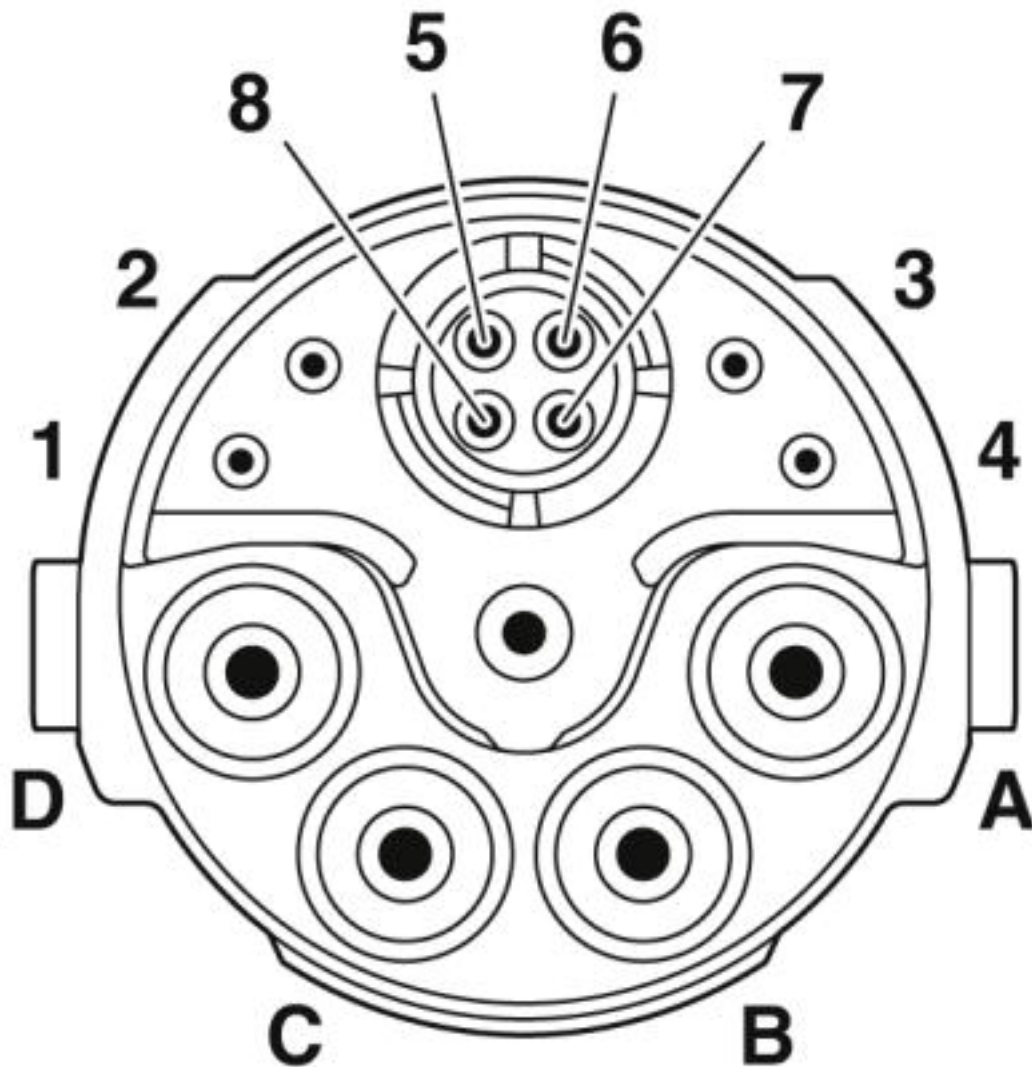
Dimensional drawing



Installation dimensions

Device connector, front mounting - SH-8EPC58AWA00S - 1621569

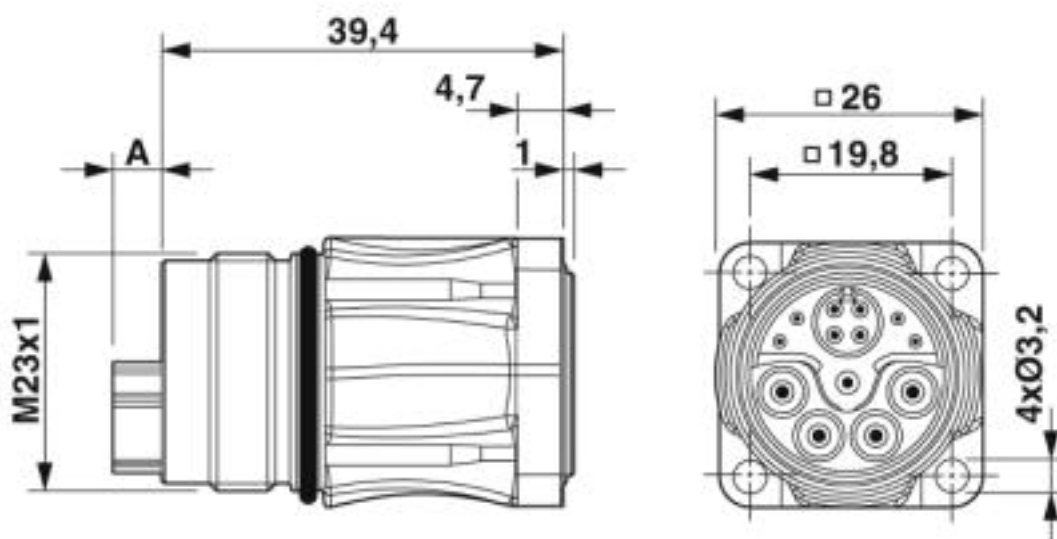
Schematic diagram



Pin assignment of pin, CAT5

Device connector, front mounting - SH-8EPC58AWA00S - 1621569

Dimensional drawing



Pin version: dimension A = 4.75 mm, socket version: dimension A = 0 mm

Classifications

eCl@ss

eCl@ss 10.0.1	27440109
eCl@ss 4.0	27260700
eCl@ss 4.1	27260700
eCl@ss 5.0	27260700
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 4.0	EC002635
ETIM 5.0	EC002635
ETIM 6.0	EC002061

UNSPSC

UNSPSC 13.2	39121413
UNSPSC 18.0	39121413
UNSPSC 19.0	39121413
UNSPSC 20.0	39121413
UNSPSC 21.0	39121413

Device connector, front mounting - SH-8EPC58AWA00S - 1621569

Approvals

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EAC / cULus Recognized / UL Recognized / cUL Recognized / cULus Recognized

Ex Approvals

Approval details

EAC		B.01687
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cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm E468743-20150928
Nominal voltage UN	600 V	
Nominal current IN	16 A	

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm E153698-20181206
Nominal voltage UN	600 V	
Nominal current IN	24 A	
mm²/AWG/kcmil	12	

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm E153698-20181206
Nominal voltage UN	600 V	
Nominal current IN	21.4 A	
mm²/AWG/kcmil	12	

cULus Recognized		
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Device connector, front mounting - SH-8EPC58AWA00S - 1621569

Accessories

Accessories

Crimp contact

Crimp contact - ST-10KP010 - 1618255



Crimp contact, turned, Single contact, contact diameter: 1 mm, crimp range: 0.06 mm² ... 0.25 mm²

Crimp contact - ST-10KP035 - 1618458



Crimp contact, turned, contact diameter: 1 mm, crimp range: 0.25 mm² ... 1 mm²

Crimp contact - SF-20KP021 - 1621579



Crimp contact, turned, contact diameter: 2 mm, crimp range: 0.25 mm² ... 1 mm²

Crimp contact - SF-20KP022 - 1621580



Crimp contact, turned, contact diameter: 2 mm, crimp range: 1.5 mm² ... 2.5 mm²

Crimp contact - SF-20KP023 - 1621581



Crimp contact, turned, contact diameter: 2 mm, crimp range: 2.5 mm² ... 4 mm²

Device connector, front mounting - SH-8EPC58AWA00S - 1621569

Accessories

Crimp contact - SF-08KP010 - 1621574



Crimp contact, turned, contact diameter: 0.8 mm, crimp range: 0.08 mm² ... 0.25 mm²

Crimp contact - SF-08KP020 - 1621575



Crimp contact, turned, contact diameter: 0.8 mm, crimp range: 0.34 mm² ... 0.5 mm²

Mounting material

Color-coding - RF-Z0017 - 1620624



Color-coding, color: green

Color-coding - RF-Z0018 - 1620625



Color-coding, color: orange

Color-coding - RF-Z0019 - 1620626



Color-coding, color: anthracite

Protective cover

Device connector, front mounting - SH-8EPC58AWA00S - 1621569

Accessories

Metal protective cap - SH-Z2302 - 1622139



Metal protection cap with steel wire, for M23 hybrid connectors with external thread

Protective cap - SH-Z2304 - 1622137



Plastic protection cap for M23 hybrid connectors with external thread

Metal protective cap - SH-Z2303 - 1622138



Metal protection cap for M23 hybrid connectors with external thread

Sample set - M23 HYBRID_CONTACT-SAMPLE-SET - 1623252



Sample set consisting of 4 x Ø 1.0 mm, 4 x Ø 0.8 mm, 5 x Ø 2.0 mm for all socket and pin contacts for M23 hybrid connectors. Contacts included: 1621573, 1618254, 1621577, 1621575, 1618261, 1621580

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