PHŒNIX CONTACT

Device connector, front mounting - SH-8ESS48AWA00S - 1621568

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Device connector for front wall, straight, shielded: Yes, Screw locking, M23, No. of pos.: 8+4+PE / 3+N+PE, type of contact: Socket, Crimp connection, Axial O-ring, 4x Ø 3.2, flange dimensions: 26 mm x 26 mm

The figure shows the product version with CAT5 interface

Why buy this product

☑ All housing can be fitted with pin or socket contacts

☑ A total of eight contacts are available for signal transmission

☑ 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 STK
GTIN	4 046356 937160
GTIN	4046356937160
Weight per Piece (excluding packing)	40.000 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Temperature range

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

Data of the insulating body

Note	Order information: Crimp contacts, 8 x Ø 1 mm, 5 x Ø 2 mm, order separately

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Technical data

Data of the insulating body

Coding	N
Insulator material	Polyamide (PA 6.6)
Insertion/withdrawal cycles mechanical	100
Contact connection method	Crimp connection
Type of contacts	Socket
Application	Hybrid
Number of positions	13
Contact diameter of power contacts	2 mm
Litz wire cross section of power contacts min.	0.25 mm²
Litz wire cross section of power contacts max.	4 mm²
Nominal current per power contact at 25°C	30 A
Nominal voltage, power contact	630 V AC
Rated surge voltage	6 kV
Contact diameter of signal contacts	1 mm
Litz wire cross section of signal contacts min.	0.06 mm²
Litz wire cross section of signal contacts max.	1 mm²
Nominal current per signal contact at 25°C	8 A
Nominal voltage, signal contact	50 V
Rated surge voltage	1.5 kV
Overvoltage category	III
Degree of pollution	3

Housing data

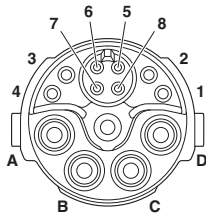|	
Housing material	Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn)
Flange dimensions	26 mm x 26 mm
Type of locking	Screw locking
Degree of protection (when plugged in)	IP67
	IP68
Thread type	M23

Environmental Product Compliance

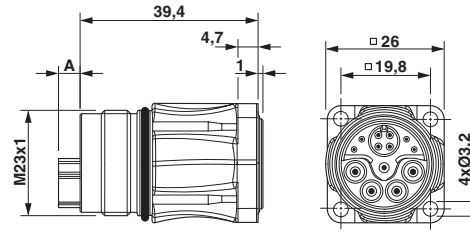|	
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

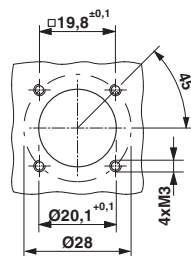# Device connector, front mounting - SH-8ESS48AWA00S - 1621568

Schematic diagram

Dimensional drawing

Socket pin assignment, signal

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

Dimensional drawing

Installation dimensions

Classifications

eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27143424
eCl@ss 5.1	27143424
eCl@ss 6.0	27143424
eCl@ss 7.0	27440209
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

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Approvals

Approvals

Approvals	
EAC	

Ex Approvals	

Approval details

EAC	EAC	B.01742

Accessories

Accessories

Crimp contact

Crimp contact - ST-10KS010 - 1618239

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

Crimp contact - ST-10KS020 - 1618251

Crimp contact, turned, Single contact, contact diameter: 1 mm, crimp range: 0.34 mm² ... 0.5 mm²

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Accessories

Crimp contact - ST-10KS030 - 1618254

Crimp contact, turned, Single contact, contact diameter: 1 mm, crimp range: 0.5 mm² ... 1 mm²

Crimp contact - SF-20KS021 - 1621576

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

Crimp contact - SF-20KS022 - 1621577

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

Crimp contact - SF-20KS023 - 1621578

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

Mounting material

Color-coding - RF-Z0017 - 1620624

Color-coding, color: green

PHŒNIX CONTACT

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Accessories

Color-coding - RF-Z0018 - 1620625

Color-coding, color: orange

Color-coding - RF-Z0019 - 1620626

Color-coding, color: black

Protective cover

Plastic dust protection cap - SH-Z2304 - 1622137

Plastic dust protection cap for M23 hybrid connectors with external thread

Metal dust protection cap - SH-Z2303 - 1622138

Metal dust protection cap for M23 hybrid connectors with external thread

Metal dust protection cap - SH-Z2302 - 1622139

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