

Coupler connector - SH-8EPC58A9LDLS - 1621549

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Coupling connector, straight long, shielded: yes, Screw locking, M23, Number of positions: 4+4+4+PE, Type of contact: Male connector, Crimp connection, Cable diameter: 7.5 mm ... 18 mm

Why buy this product

- Transmission of signals, data, and power in just a single connector
- CAT5 data interface
- 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 STK
GTIN	 4 046356 936972
GTIN	4046356936972
Weight per Piece (excluding packing)	111.110 g
Custom tariff number	85366990
Country of origin	Germany
Note	Made to Order (non-returnable)

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
Coding	N
Insulator material	Polyamide (PA 6.6)
Insertion/withdrawal cycles mechanical	100
Contact connection method	Crimp connection

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Technical data

Data of the insulating body

Type of contacts	Male connector
Number of positions	13
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
Nominal current per power contact at 25°C	30 A
Nominal voltage, power contact	630 V AC
	850 V DC
Rated surge voltage	6 kV
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 at 25°C	8 A
Nominal voltage, signal contact	50 V
Rated surge voltage	1.5 kV
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
Nominal voltage of data contact	50 V
Rated surge voltage	1.5 kV
Overvoltage category	III
Degree of pollution	3

Housing data

Note	Notes on operation Full occupation with 5 x 4 mm ² for cable and coupler connectors not possible.
Housing material	Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn)
Type of locking	Screw locking
Degree of protection (when plugged in)	IP67
	IP68
Thread type	M23

Cable seal data

Min. cable diameter	7.5 mm
Max. cable diameter	18 mm

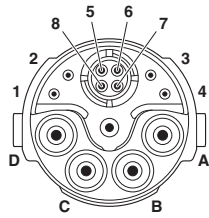
Environmental Product Compliance

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

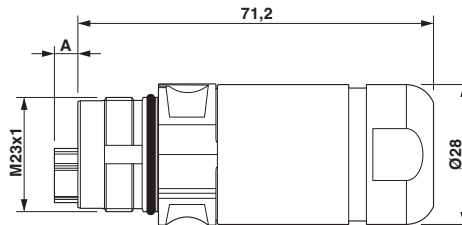
Drawings

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Schematic diagram



Dimensional drawing



Pin assignment of pin, CAT5

Pin version: dimension A = 4.7 mm, socket version: dimension A = 0 mm

Classifications

eCl@ss

eCl@ss 5.1	27260701
eCl@ss 6.0	27260702
eCl@ss 8.0	27440102
eCl@ss 9.0	27440103

ETIM

ETIM 4.0	EC002635
ETIM 5.0	EC002635
ETIM 6.0	EC002635

UNSPSC

UNSPSC 13.2	39121413
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Approvals

Approvals

Approvals

EAC

Ex Approvals

Approval details

EAC		B.01742
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Accessories

Accessories

Cable by the meter

Hybrid cable - KC-88014311/1,00 - 1623127



Hybrid cable, Length: 1 m, Color of outer sheath: orange RAL 2003

Hybrid cable - KC-88014311/100,00 - 1623039



Hybrid cable, Length: 100 m, Color of outer sheath: orange RAL 2003

Hybrid cable - KC-88014311/20,00 - 1622080



Hybrid cable, Length: 20 m, Color of outer sheath: orange RAL 2003

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-10KP020 - 1618256



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-10KP030 - 1618261



Crimp contact, turned, Single contact, Contact diameter: 1 mm, Crimp range: 0.5 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

Crimp contact - SF-08KP010 - 1621574



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

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Accessories

Crimp contact - SF-08KP020 - 1621575



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

Mounting material

Square mounting flange - SF-Z0068 - 1620927



Square mounting flange, 4xM3, Flange dimensions: 38 mm x 38 mm

Color-coding - SF-Z0064 - 1620585



Color-coding, Color: green

Color-coding - SF-Z0065 - 1620586



Color-coding, Color: orange

Color-coding - SF-Z0066 - 1620587



Color-coding, Color: black

Protective cover

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Accessories

Metal dust protection cap - SH-Z2302 - 1622139



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

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

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
