

Coupler connector - SF-7EP1N8A9LDL - 1605583

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Coupler connector, straight long, Screw locking, M23, Number of positions: 4+3+PE, Type of contact: Male connector, Crimp connection, shielded: yes, Cable diameter: 7.5 mm...18 mm, Compatible with mating connectors with SPEEDCON or M23 standard knurled nuts

Why buy this product

- Consistent EMC protection for reliable connection solutions in the industrial environment
- Crimping connection: vibration- and temperature-resistant assembly
- Flexible use: reliably connect cable diameters of 7.5 mm ... 18 mm



Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 253710
Weight per Piece (excluding packing)	55.46 g
Country of origin	Germany
Note	Made to Order (non-returnable)

Technical data

General

Note	Order information: Order crimp contacts 4 x Ø 1 mm, 4 x Ø 2 mm separately
Type of locking	Screw locking
Coding	N
Contact connection method	Crimp connection
Type of contacts	Male connector
Number of positions	8
Contact diameter of power contacts	2 mm
Nominal current per power contact at 25°C	30 A
Contact diameter of signal contacts	1 mm

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Technical data

General

Nominal current per signal contact at 25°C	9 A
Conductor entry	7.5 mm ... 18 mm
Pg housing screw connection	none

Ambient conditions

Ambient temperature	-40 °C ... 125 °C
Degree of protection	IP67

Material

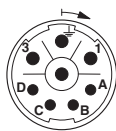
Housing material	Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn)
Insulator material	PA 66
Gasket and O-ring material	FPM

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
Nominal / operating voltage of signal contacts	250 V
Rated surge voltage of signal contacts	4 kV
Overvoltage category of signal contacts	III
Degree of pollution of signal contacts	3

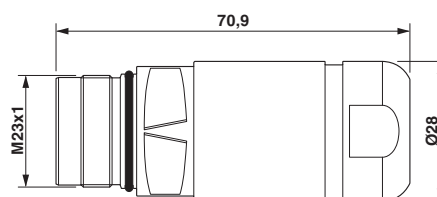
Drawings

Schematic diagram



Connector pin assignment

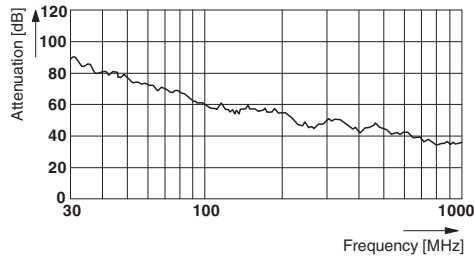
Dimensional drawing



Dimensional drawing

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Diagram



Classifications

eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27260701
eCl@ss 5.1	27260701
eCl@ss 6.0	27260708
eCl@ss 7.0	27440312
eCl@ss 8.0	27440102
eCl@ss 9.0	27440103

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC001121
ETIM 5.0	EC002635

UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201404
UNSPSC 13.2	43201404

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

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Approvals

Approvals submitted

Approval details

UL Recognized	
mm ² /AWG/kcmil	4.0
Nominal current I _N	27 A
Nominal voltage U _N	600 V

cUL Recognized	
mm ² /AWG/kcmil	4.0
Nominal current I _N	18 A
Nominal voltage U _N	600 V

EAC

cULus Recognized

Accessories

Accessories

Crimp contact

Crimp contact - SF-7RP2000 - 1605646



Crimp contact, turned, Single contact, Contact diameter: 2 mm, Crimp range: 0.14 mm²...0.25 mm²

Crimp contact - SF-7PP2000 - 1605634



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

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Accessories

Crimp contact - SF-20KP004 - 1607376



Crimp contact, turned, Contact diameter: 2 mm, Crimp range: 0.75 mm²...1.5 mm²

Crimp contact - SF-7QP2000 - 1605639



Crimp contact, turned, Single contact, Contact diameter: 2 mm, Crimp range: 1 mm²...2.5 mm²

Crimp contact - SF-7MP2000 - 1605626



Crimp contact, turned, Single contact, Contact diameter: 2 mm, Crimp range: 4 mm²...4 mm²

Crimp contact - SF-6CP2000 - 1605559



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

Crimp contact - SF-10KP004 - 1607355



Crimp contact, turned, Single contact, Contact diameter: 1 mm, Crimp range: 0.14 mm²...0.5 mm²

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Accessories

Crimp contact - SF-6AP2000 - 1605554



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

Mounting material

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

Square mounting flange - SF-Z0068 - 1620927



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

Protective cover

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Accessories

Plastic anti-static dust protection cap - SF-Z0019 - 1607449



Plastic dust protection cap, anti-static with IP40 eye, for RF, SF series connectors, with M23 external thread

Plastic dust protection cap - RC-Z2059 - 1604225



Plastic dust protection cap for connectors with M23 external thread

Plastic anti-static dust protection cap - RC-Z2469 - 1611797



Plastic dust protection cap, anti-static, for RF, SF series connectors, with M23 external thread

Metal dust protection cap - SC-Z2319 - 1605456



Metal dust protection cap for power plugs with M23 external thread

Metal dust protection cap - SC-Z2320 - 1605457



Metal dust protection cap with steel wire for power plugs with M23 external thread
