

Coupler connector - SF-7EP1N8A90DU - 1605575

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Coupler connector, straight short, for standard and SPEEDCON interlock, M23, number of positions: 4+3+PE, type of contact: Pin, Crimp connection, shielded: yes, cable diameter range: 7.5 mm ... 14 mm, Compatible with mating connectors with SPEEDCON or M23 standard knurled nuts

Your advantages

- ✓ 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 ... 14 mm



Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4046356182195

Technical data

General

Note	Order information: Order crimp contacts 4 x Ø 1 mm, 4 x Ø 2 mm separately
Type of locking	for standard and SPEEDCON interlock
Coding	N
Contact connection method	Crimp connection
Type of contacts	Pin
Number of positions	8
Contact diameter of power contacts	2 mm
Rated current for power contacts	30 A
Contact diameter of signal contacts	1 mm
Nominal current per signal contact	9 A
Conductor entry	7.5 mm ... 14 mm
Pg housing screw connection	none

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Technical data

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 6.6
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

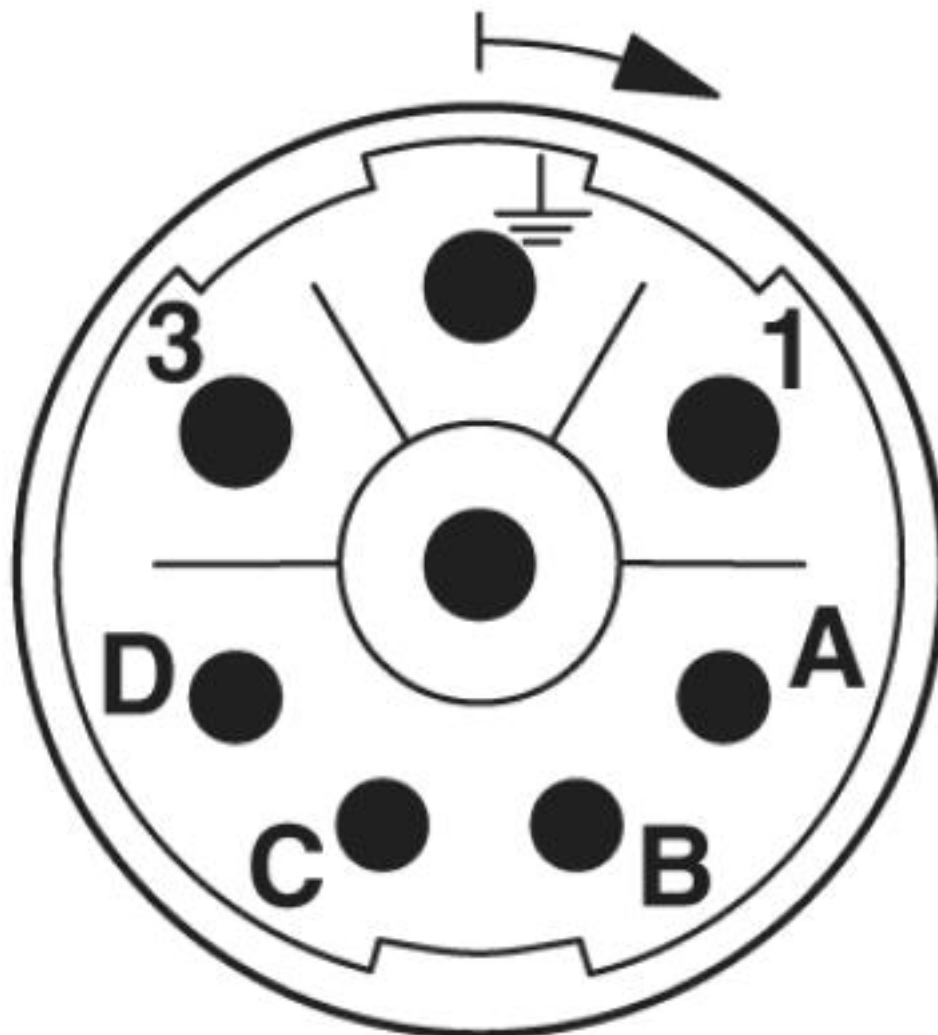
Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Coupler connector - SF-7EP1N8A90DU - 1605575

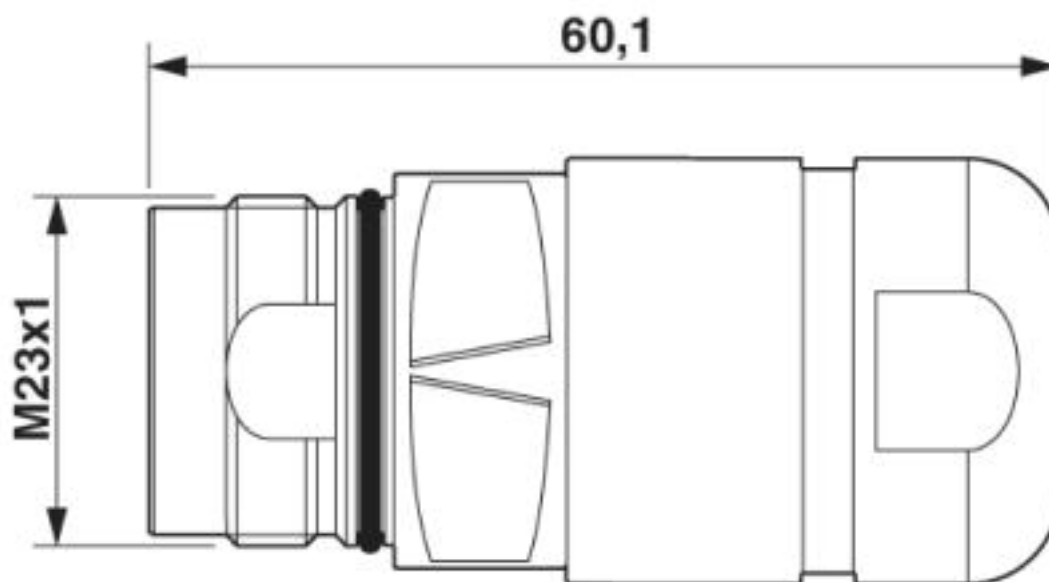
Schematic diagram



Connector pin assignment

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Dimensional drawing



Dimensional drawing

Classifications

eCl@ss

eCl@ss 10.0.1	27440102
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	27440102

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC001121
ETIM 5.0	EC002635
ETIM 6.0	EC002061

UNSPSC

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

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Classifications

UNSPSC

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

Approvals

Approvals

Approvals

EAC

Ex Approvals

Approval details

EAC		B.01687
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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-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

Crimp contact - SF-6AP2000 - 1605554



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

Mounting material

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Accessories

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

Protective cap - SF-Z0019 - 1607449



Plastic protection cap, with eye, IP40 for connectors with M23 external thread, RF, SF series

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Accessories

Protective cap - RC-Z2059 - 1604225



Plastic protection cap for connectors with M23 external thread

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



Plastic protection cap, antistatic, for RF, SF, CA, RC series connectors, with M23 external thread

Metal protective cap - SC-Z2319 - 1605456



Metal protection cap for power connectors with M23 external thread

Metal protective cap - SC-Z2320 - 1605457



Metal protection cap with steel wire for power connectors with M23 external thread

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