SF-7ES1N8AR4DUX - Cable connector

1241946

https://www.phoenixcontact.com/us/products/1241946

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CRIMP



The figure shows the product with assembled crimp contacts. Please order crimp contacts separately.

Cable connector, application: Power, straight, Screw locking mechanism, M23, number of positions: 4+3+PE, contact connection type: Socket, shielded: yes, degree of protection: IP67, cable diameter range: 7.5 mm ... 14 mm, number of positions: 8, connection method: Crimp connection, series: SF, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %), This product is in the process of being discontinued. This product must no longer be considered for new projects. Please contact your sales representative for alternatives.

Commercial data

Item number	1241946
Packing unit	20 pc
Minimum order quantity	20 pc
Sales key	AB32
Product key	ABRBFA
GTIN	4063151442637
Weight per piece (including packing)	163.5 g
Weight per piece (excluding packing)	155.04 g
Customs tariff number	85366990
Country of origin	DE

Technical data

Notes

Order information:	Order crimp contacts 4 x Ø 1 mm, 4 x Ø 2 mm separately
Note on application	Series SF connectors are not compatible with series M23 PRO and must not be combined.

Product properties

Product type	Circular connector (cable-side)
Series	SF
Application	Power
Number of positions	8
Connection profile	4+3+PE
Shielded	yes
Coding	N
Thread type	M23

Material specifications

Material Housing	Metal
Seal material	FPM

Connection data

Conductor connection

Connection method	Crimp connection

Electrical properties

Contact: Contact group 1

Contact diameter	2 mm
Nominal current I_N	30 A
Nominal voltage U_N	630 V
Overvoltage category	III
Degree of pollution	3
Rated surge voltage	6 kV

Contact: Contact group 2

Contact diameter	1 mm
Nominal current I_N	9 A
Nominal voltage U_N	250 V
Overvoltage category	III
Degree of pollution	3
Rated surge voltage	4 kV

Connector

Type	straight

Connection 1

Head design	Socket
Head cable outlet	straight
Head thread type	M23

Cable/line

External cable diameter	7.5 mm ... 14 mm

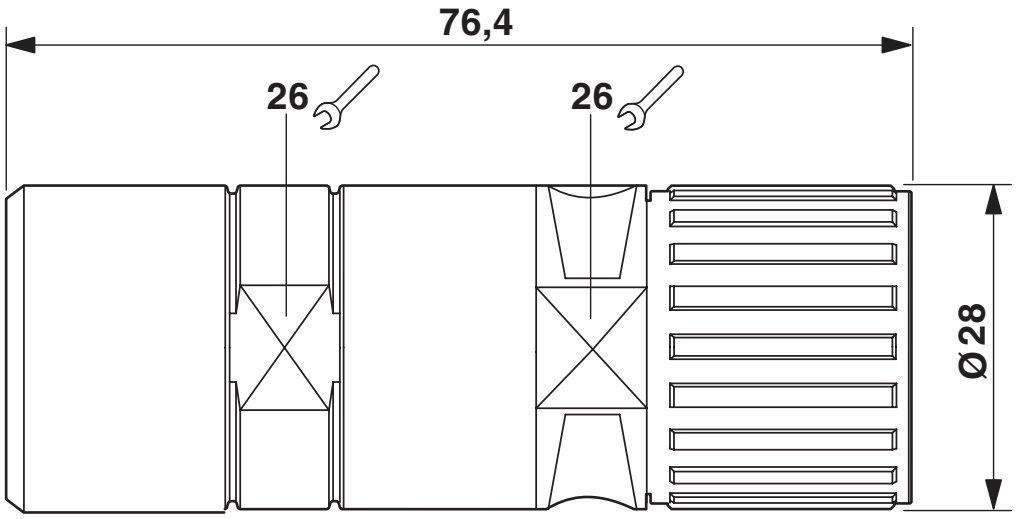
Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67
Ambient temperature (operation)	-40 °C ... 125 °C
Altitude	3000 m

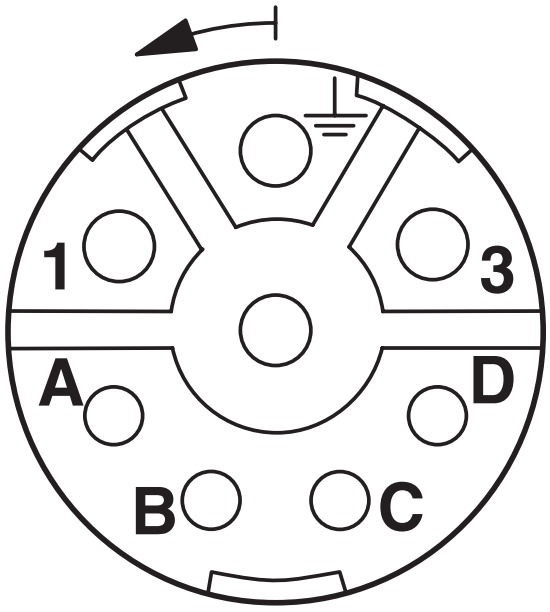
Drawings

Dimensional drawing



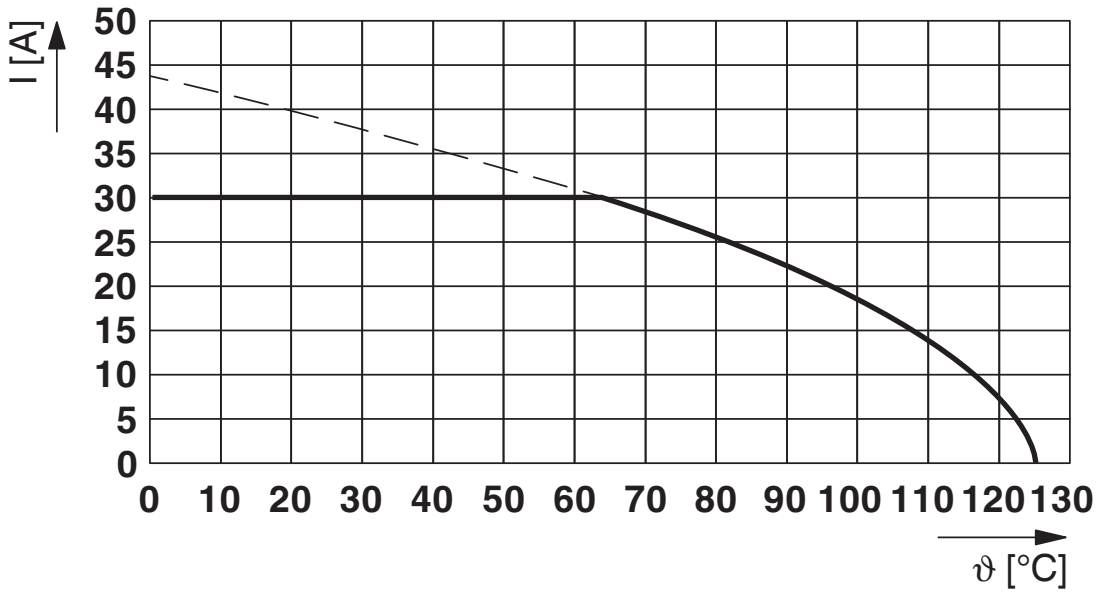
Dimensional drawing

Schematic diagram



Connector pin assignment

Diagram



I = current strength, T = ambient temperature

Classifications

ECLASS

ECLASS-13.0	27440116
ECLASS-15.0	27440116

ETIM

ETIM 10.0	EC002635

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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