SF-5ES1N8A8LDL - Cable connector

1605549

https://www.phoenixcontact.com/us/products/1605549

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CRIMP



The figure shows the 8-pos. (4+3+PE) product version

Cable connector, application: Power, straight long, Screw locking mechanism, M23, number of positions: 5+PE, contact connection type: Socket, shielded: yes, degree of protection: IP67, cable diameter range: 7.5 mm ... 18 mm, number of positions: 6, connection method: Crimp connection, series: SF, 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. Alternative products: 1628806

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 ... 18 mm
- Molded designs with preassembled cables on one or both sides

Commercial data

Item number	1605549
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB32
Product key	ABRBFA
GTIN	4046356253567
Weight per piece (including packing)	139.299 g
Weight per piece (excluding packing)	126.38 g
Customs tariff number	85366990
Country of origin	DE

Technical data

Notes

Order information:	Order crimp contacts 6 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	6
Connection profile	5+PE
Shielded	yes
Coding	N
Thread type	M23

Material specifications

Material Housing	GD-Zn
Material Rotating parts	CuZn
Material Housing surface	Ni
Material Insulating body	PA 6.6
Material Seal	FPM (O-ring)

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	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

Connector

Type	straight long

Connection 1

Head design	Socket
Head cable outlet	straight, long
Head thread type	M23

Cable/line

External cable diameter	7.5 mm ... 18 mm

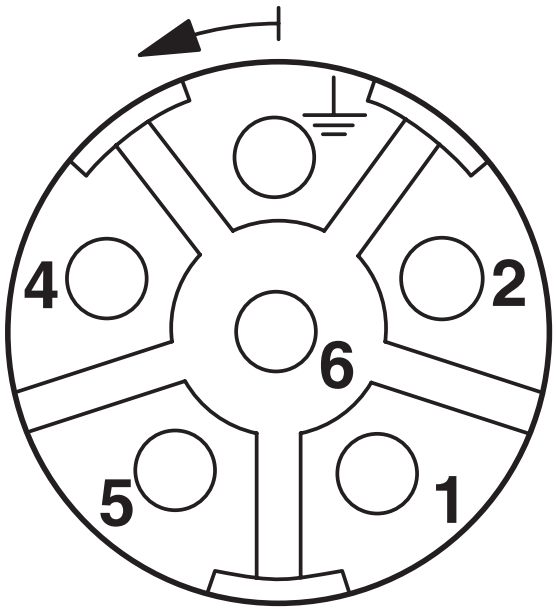
Environmental and real-life conditions

Ambient conditions

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

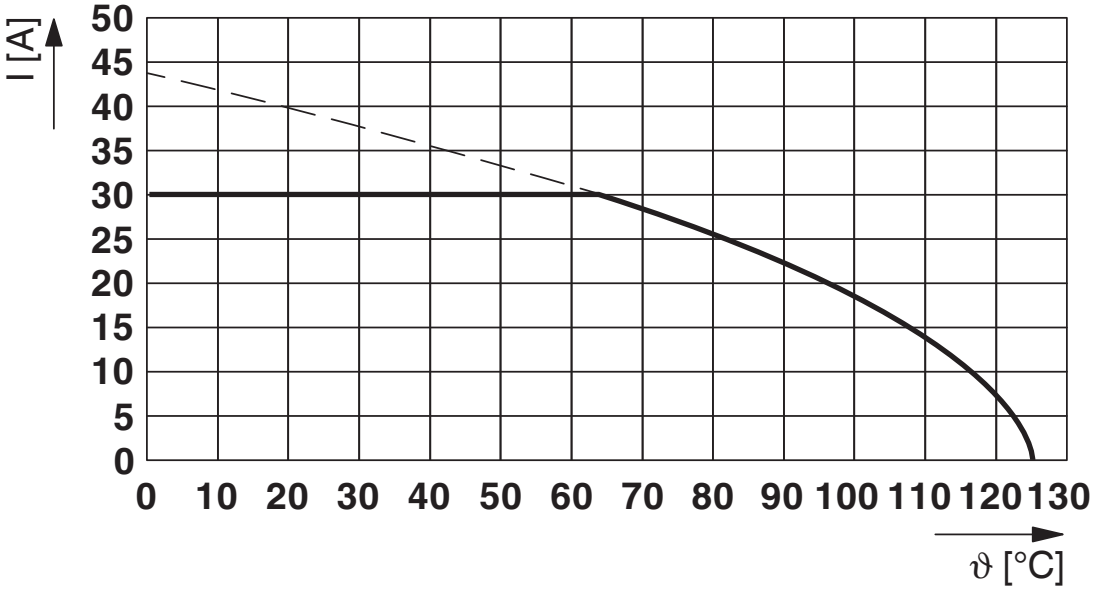
Drawings

Schematic diagram



Connector pin assignment

Diagram



Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1605549

cUL Recognized
Approval ID: E153698-20041116

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	600 V	18 A	12	-

UL Recognized
Approval ID: E153698-20041116

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	600 V	27 A	12	-

Classifications

ECLASS

ECLASS-13.0	27440116
ECLASS-15.0	27440116

ETIM

ETIM 10.0	EC002635

UNSPSC

UNSPSC 21.0	39121400

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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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com