

SF-5ES1N8A80DV - Cable connector



1617934

<https://www.phoenixcontact.com/us/products/1617934>

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Cable connector, application: Power, straight short, M23, number of positions: 5+PE, contact connection type: Socket, shielded: yes, 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.

Commercial data

Item number	1617934
Packing unit	20 pc
Minimum order quantity	1 pc
Product key	ABRBFA
GTIN	4046356642583
Weight per piece (including packing)	133.3 g
Weight per piece (excluding packing)	125.934 g
Country of origin	DE

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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	Metal
Material Seal	FPM

Connection data

Conductor connection

Connection method	Crimp connection
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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 short
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Connection 1

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

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C
Altitude	3000 m
Permissible humidity (storage/transport)	50 % ... 65 %

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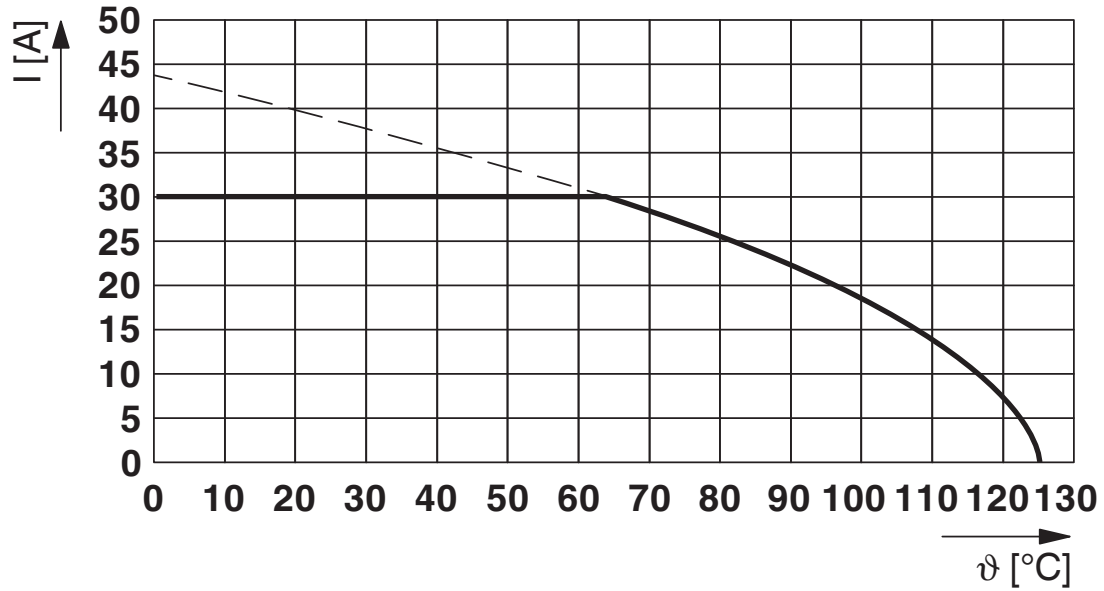


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Drawings

Diagram



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Classifications

ECLASS

ECLASS-13.0	27440116
ECLASS-15.0	27440116

ETIM

ETIM 10.0	EC002635
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UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	f1bc11ca-c6f1-408a-875d-cca9029ce112

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