SH-8EP008A8LDLS - Cable connector

1627077

https://www.phoenixcontact.com/us/products/1627077

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Figure shows standard item with data element

M23, Cable connector, application: Hybrid, series: SH, straight long, shielded: yes, SPEEDCON, No. of pos.: 4+4+PE / 3+N+PE, contact connection type: Pin, Crimp connection, cable diameter range: 7.5 mm ... 18 mm, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

Your advantages

- Reduced connection time with optional SPEEDCON fast locking system
- Safe use in the field, thanks to high degree of protection
- Consistent EMC protection for reliable connection solutions in the industrial environment

Commercial data

Item number	1627077
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB33
Product key	ABRCDB
GTIN	4055626310671
Weight per piece (including packing)	141 g
Weight per piece (excluding packing)	127.031 g
Customs tariff number	85366990
Country of origin	DE

Technical data

Notes

Order information:	Without data element, crimp contacts, 4x Ø 1 mm, 5x Ø 2 mm, order separately
Order information:	Recommended hybrid cable: (5 x 2.5 mm² + 2 x (2 x 0.5 mm²) + (4 x 0.34 mm²) C) C Lynxeo, order number 10572415 Recommended hybrid cable: (4 x 1.5 mm² + (4 x 0.34 mm² C) + (2 x 0.75 mm²) + (2 x 0.50 mm²)) C Lynxeo, order number 10580074

Safety note

Safety note	• WARNING: Commission properly functioning products only. The products must be regularly inspected for damage. Decommission defective products immediately. Replace damaged products. Repairs are not possible.

Product properties

Product type	Circular connector (cable-side)
Application	Hybrid

Connector

Insulating body

Note	Order information: Without data element, crimp contacts, 4x Ø 1 mm, 5x Ø 2 mm, order separately
Material (Insulating body)	PA 6.6
Insertion/withdrawal cycles	100
Connection method	Crimp connection
Contact switching type	Pin
Application	Hybrid
Number of positions	9
Connection profile	4+4+PE / 3+N+PE
Installation height	2000 m
Number (Power contacts)	5
Contact diameter (Power contacts)	2 mm
Litz wires Min. cross section (Power contacts)	0.25 mm²
Litz wires Max. cross section (Power contacts)	4 mm²
Rated current Contact (Power contacts)	30 A (for max. connection cross section)
Rated voltage Contact (Power contacts)	630 V AC (Overvoltage category III/3)
	850 V DC (Overvoltage category II/3)
Rated surge voltage	6 kV
Overvoltage category	III
Degree of pollution	3
Number (Signal contacts)	4

Contact diameter (Signal contacts)	1 mm
Litz wires Max. cross section (Signal contacts)	1 mm²
Rated current Contact (Signal contacts)	8 A (for max. connection cross section)
Rated voltage Contact (Signal contacts)	50 V AC/DC (Contact 1 ... 4)
Rated surge voltage	1.5 kV
Overvoltage category	III
Degree of pollution	3

Housing

Notes on operation	The suitability for assembly must be checked when fully assigned with maximum wire cross sections.
Type	Cable connector housing
Thread type	M23
Design	straight long
Type of locking	SPEEDCON
	Knurl tightening torque >1 Nm
Pg screw connection	none
Material (Housing)	Metal
Material (Screw connection)	Metal
Degree of protection (plugged in)	IP67
	IP68
	IP69K

Seal

External cable diameter	7.5 mm ... 18 mm

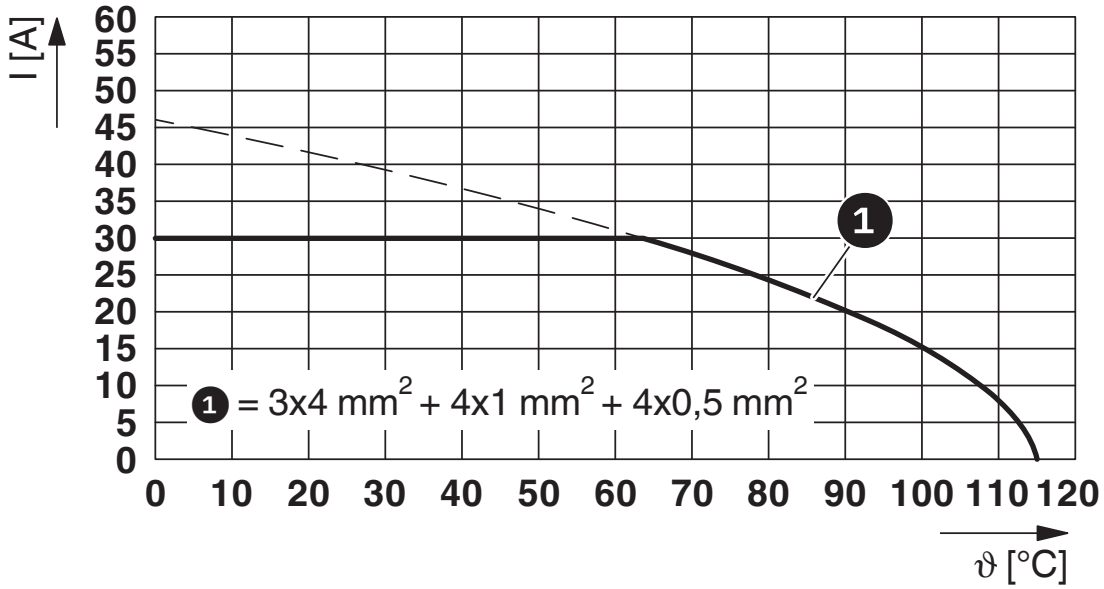
Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-40 °C ... 115 °C (see derating curve)

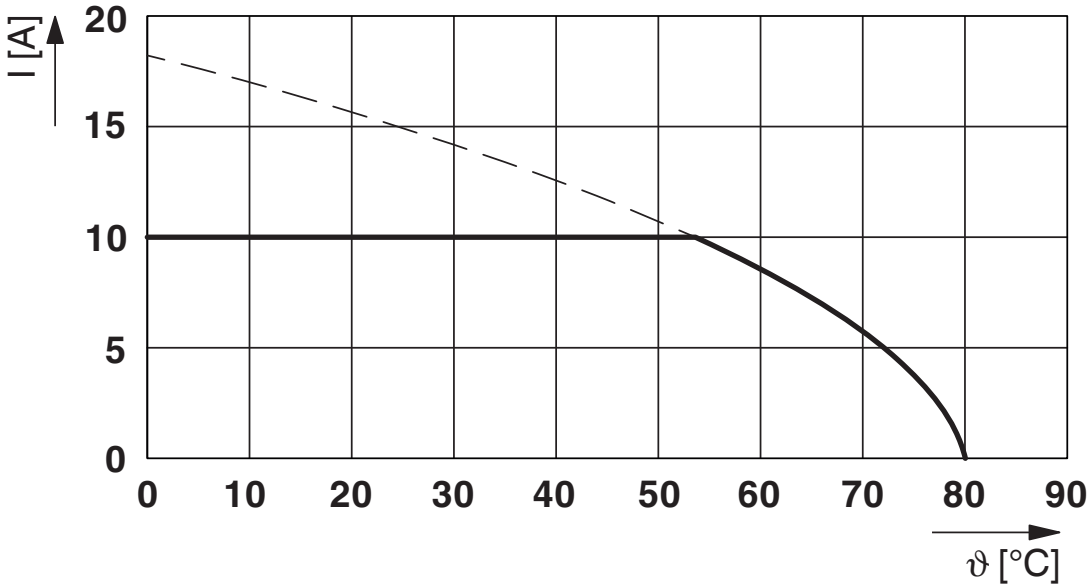
Drawings

Diagram



I = current strength, ϑ = ambient temperature, power contacts A-C: 3 x up to 30 A, signal contacts: 4 x 2 A constant, data contacts: 4 x 1 A constant

Diagram



I = current strength, T = ambient temperature

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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