M23-07P1N8A9002S - Coupler connector

1629131

https://www.phoenixcontact.com/us/products/1629131

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

M23, Coupler connector, application: Signal, series: M23 PRO, straight, shielded: yes, for standard and ONECLICK fast locking system, No. of pos.: 7, Direction of rotation: Standard, contact connection type: Pin, Crimp connection, cable diameter range: 4 mm ... 8.5 mm, coding: N, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

Your advantages

- Solutions with cross-manufacturer compatibility for standard and fast locking systems
- Modern, consistent design for highly convenient operation
- Easy, cost-effective cable assembly: uniform shielding of M17 to M40

Commercial data

Item number	1629131
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB30
Product key	ABRABG
GTIN	4055626762784
Weight per piece (including packing)	112.9 g
Weight per piece (excluding packing)	97.271 g
Customs tariff number	85366990
Country of origin	DE

Technical data

Notes

Order information:	Order 7 x Ø 2 mm crimp contacts separately
Notes on operation	Please observe the derating curve.

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)
Product family	M23 PRO

Connector

Insulating body

Note	Order information: Order 7 x Ø 2 mm crimp contacts separately
Coding	N
Material (Insulating body)	PA 6.6
Insertion/withdrawal cycles	100
Connection method	Crimp connection
Contact switching type	Pin
Application	Signal
Number of positions	7
Direction of rotation	Standard
Connection profile	7
Installation height	2000 m
Number (Signal contacts)	7
Contact diameter (Signal contacts)	2 mm
Litz wires Min. cross section (Signal contacts)	0.5 mm²
Litz wires Max. cross section (Signal contacts)	2.5 mm²
Rated current Contact (Signal contacts)	20 A (for max. connection cross section)
Rated voltage Contact (Signal contacts)	300 V
Rated surge voltage	2.5 kV
Overvoltage category	II
Degree of pollution	3

Housing

Type	Coupling housing
Thread type	M23
Design	straight
Type of locking	for standard and ONECLICK fast locking system
Pg screw connection	none

Material (Housing)	GD-Zn
Material (Seal)	FKM
Degree of protection (plugged in)	IP66/IP68 (2 m / 24 h)

Seal

External cable diameter	4 mm ... 8.5 mm
Seal material	FKM

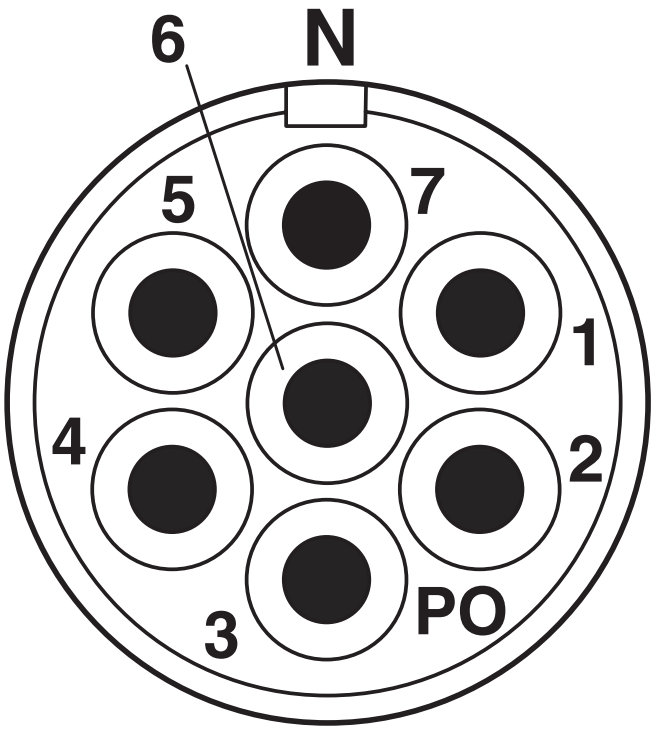
Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-40 °C ... 105 °C (see to derating)
Altitude	2000 m
Permanent temperature	125 °C (DIN EN 60512-9-2 / 1000 h)

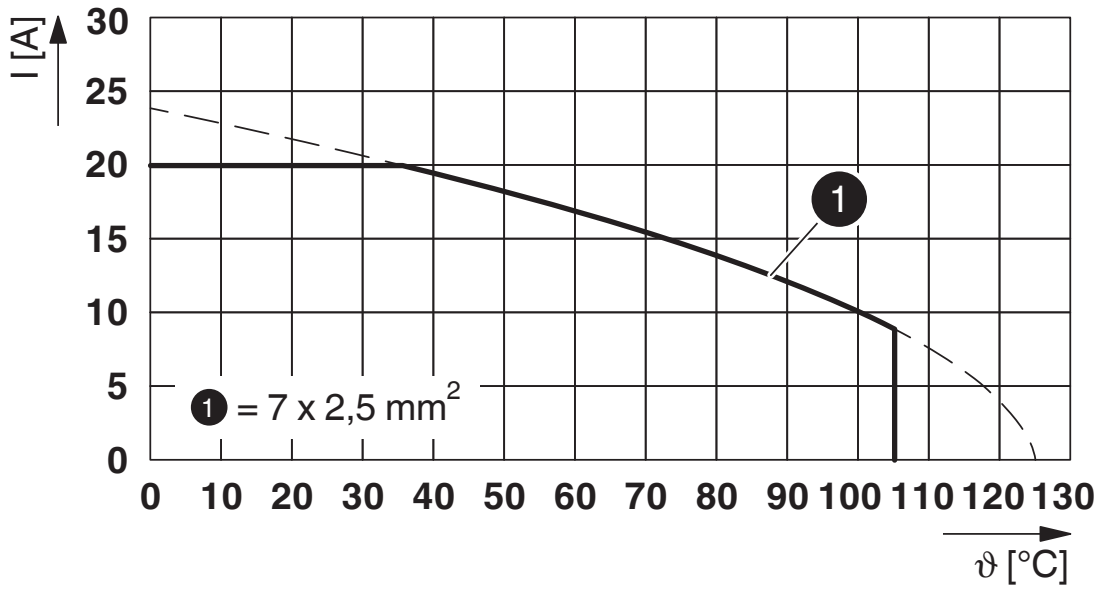
Drawings

Schematic diagram



Connector pin assignment

Diagram



I = current strength, ϑ = ambient temperature, 7x 20 A

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1629131

cUL Recognized
Approval ID: E335019-20141210

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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