M23-06P1N1280DU - Cable connector

1340661

https://www.phoenixcontact.com/pc/products/1340661

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



M23, Cable connector, application: Signal, series: M23 PRO, straight, shielded: yes, Screw locking mechanism, No. of pos.: 6, Direction of rotation: Standard, contact connection type: Pin, Solder connection, cable diameter range: 3 mm ... 15 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
- All housing can be fitted with pin or socket contacts
- Safe use in the field, thanks to high degree of protection

Commercial data

Item number	1340661
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	ABRABA
GTIN	4063151646394
Weight per piece (including packing)	123.9 g
Weight per piece (excluding packing)	107.7 g
Customs tariff number	85366990
Country of origin	DE

Technical data

Notes

Notes on operation	Please observe the derating curve.
Notes on operation	Please observe the derating curve.

Product properties

Product type	Circular connector (cable-side)
Product family	M23 PRO

Connector

Insulating body

Note	Notes on operation Please observe the derating curve.
Coding	N
Material (Insulating body)	PA 6.6
Insertion/withdrawal cycles	100
Connection method	Solder connection
Contact switching type	Pin
Application	Signal
Number of positions	6
Direction of rotation	Standard
Connection profile	6
Installation height	2000 m
Number (Signal contacts)	6
Litz wires Min. cross section (Signal contacts)	0.08 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	Cable connector housing
Thread type	M23
Design	straight
Type of locking	Screw locking mechanism
Pg screw connection	none
Material (Housing)	GD-Zn
Degree of protection (plugged in)	IP66/IP68 (2 m / 24 h) IP69K

Seal

External cable diameter	3 mm ... 15 mm (Universal gasket)
Seal material	FKM

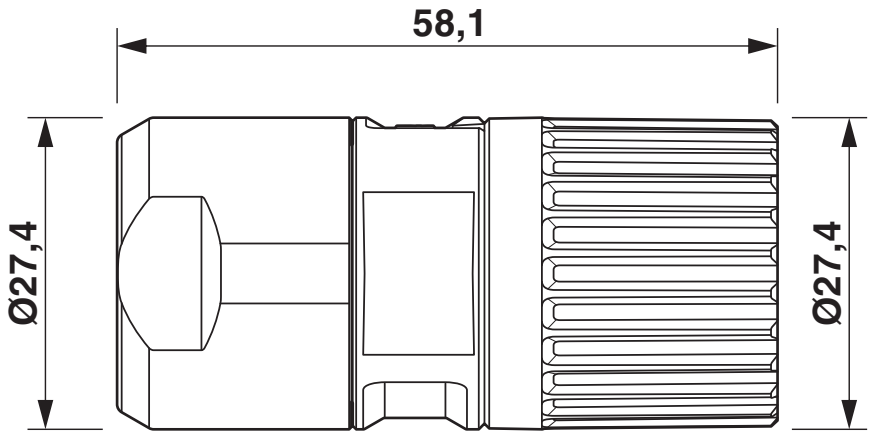
Environmental and real-life conditions

Ambient conditions

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

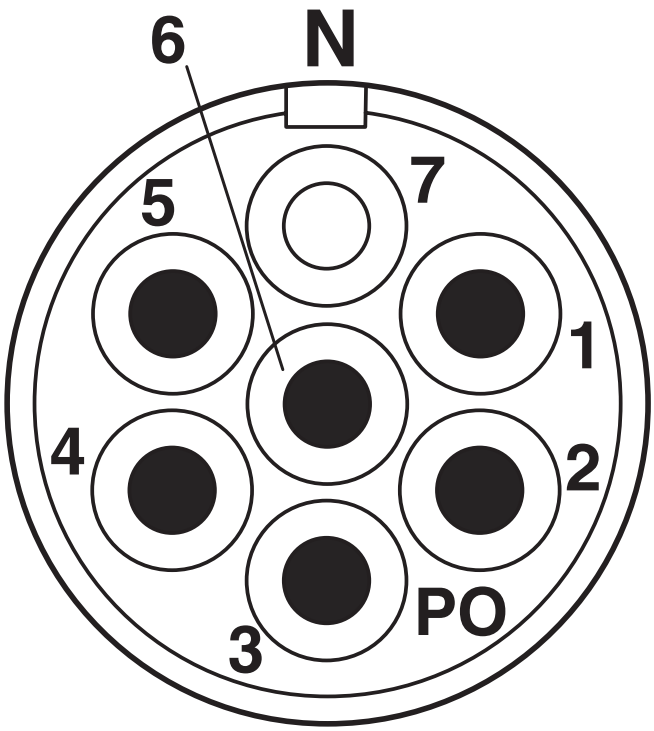
Drawings

Dimensional drawing



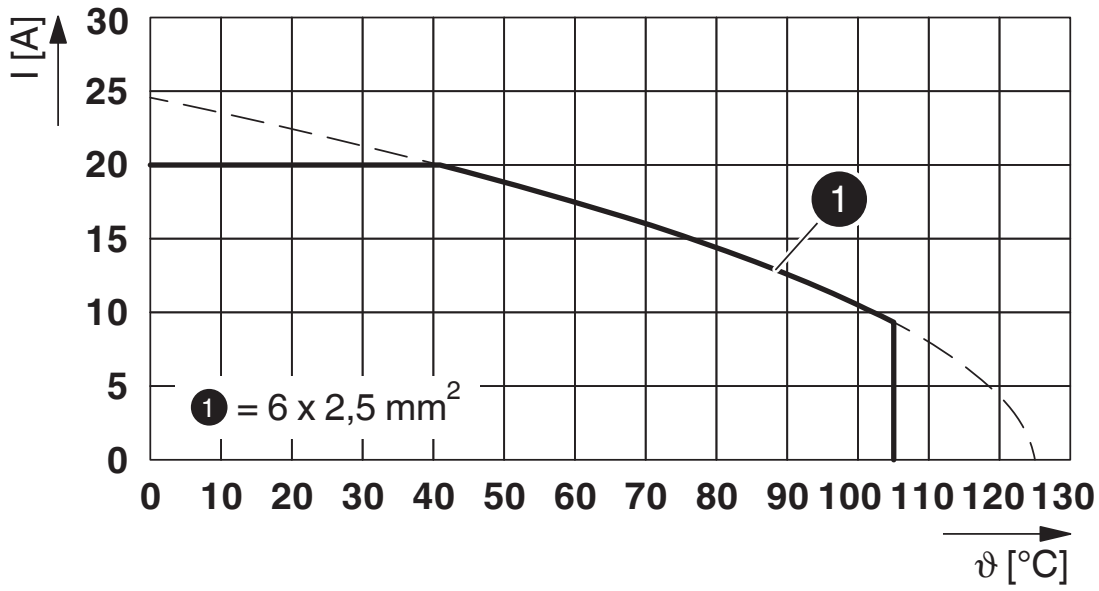
Dimensional drawing, housing

Schematic diagram



Connector pin assignment

Diagram



I = current strength, ϑ = ambient temperature, 6x 20 A

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/pc/products/1340661

cUL Recognized
Approval ID: E335019-20141210

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	300 V	10 A	- 14	-

UL Recognized
Approval ID: E335019-20141210

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	300 V	17 A	- 14	-

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%

Phoenix Contact 2026 © - all rights reserved
https://www.phoenixcontact.com

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstraße 8
D-32825 Blomberg
+49 (0) 5235-3 00
info@phoenixcontact.com