

## Cable connector - M23-09P1N8A80DUS - 1629168

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Cable connector, M23 PRO, straight, shielded: yes, ONECLICK fast locking system, M23, No. of pos.: 8+1, type of contact: Pin, Crimp connection, cable diameter range: 3 mm ... 15 mm

### Your advantages

- ✓ Solutions with cross-manufacturer compatibility for standard and fast locking systems
- ✓ ONECLICK fast locking system with an optically, haptically, and acoustically clear locking position
- ✓ Reliable under the harshest conditions: cable connectors with vibration brake
- ✓ Modern, consistent design for highly convenient operation
- ✓ Easy, cost-effective cable assembly: uniform shielding of M17 to M40

RoHS

### Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 618012
GTIN	4055626618012

### Technical data

#### Temperature range

Ambient temperature (operation)	-40 °C ... 125 °C
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#### Data of the insulating body

Note	Order information: Order crimp contacts 8 x Ø 1 mm, 1 x Ø 2 mm separately
Coding	N
Insulator material	PA 6.6
Contact connection method	Crimp connection
Type of contacts	Pin
Application	Signal
Number of positions	9
Contact diameter of power contacts	2 mm

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### Technical data

#### Data of the insulating body

Litz wire cross section of power contacts min.	0.5 mm <sup>2</sup>
Litz wire cross section of power contacts max.	2.5 mm <sup>2</sup>
Rated current of each power contact at 25°C	20 A
Additional text	for max. connection cross section
Rated voltage of power contact	300 V
Rated surge voltage	2.5 kV
Overvoltage category	II
Degree of pollution	3
Contact diameter of signal contacts	1 mm
Litz wire cross section of signal contacts min.	0.08 mm <sup>2</sup>
Litz wire cross section of signal contacts max.	1 mm <sup>2</sup>
Rated current of each signal contact at 25°C	8 A
Additional text	for max. connection cross section
Rated voltage of signal contact	300 V
Rated surge voltage	2.5 kV
Overvoltage category	II
Degree of pollution	3
Additional text	for max. connection cross section

#### Housing data

Housing material	GD-Zn
Type of locking	ONECLICK fast locking system
Degree of protection (when plugged in)	IP66 / IP68 (2 m / 24 h)
Thread type	M23

#### Cable seal data

Cable diameter	3 mm ... 15 mm (Universal gasket)
Sealing material	FKM

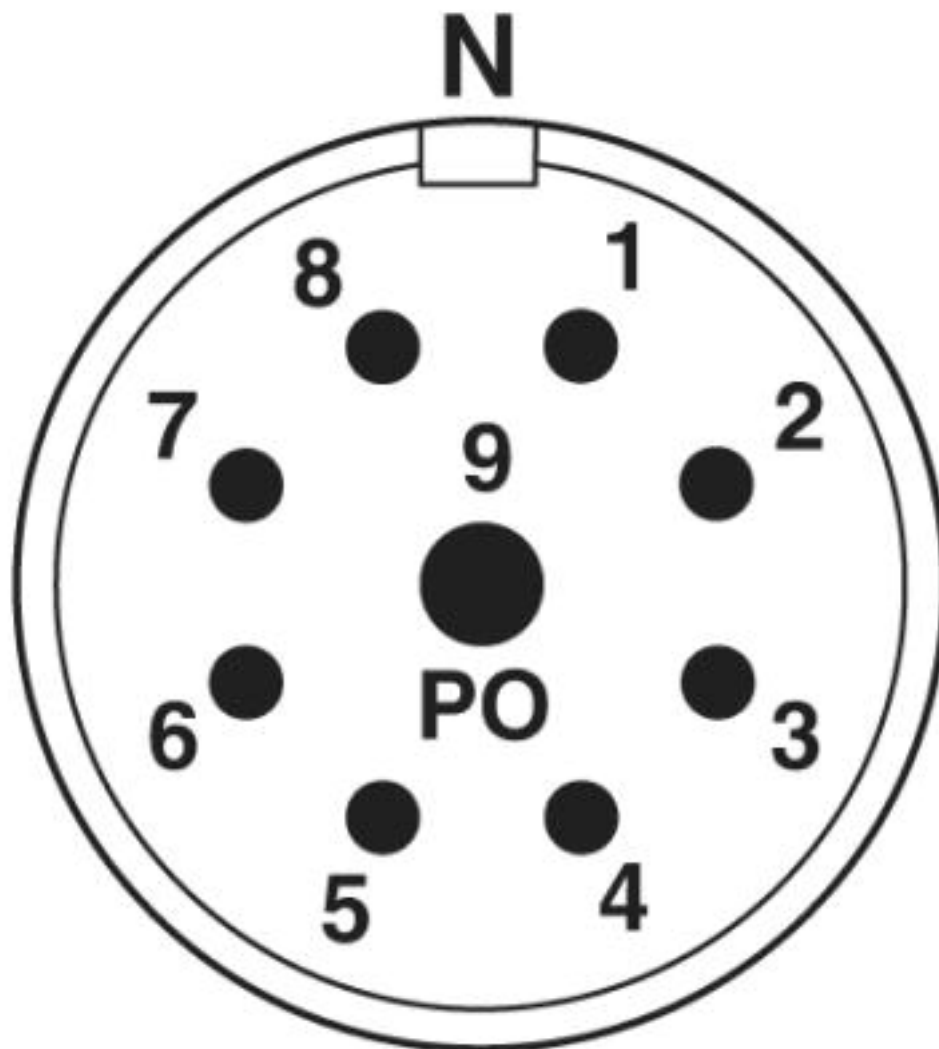
#### Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

### Drawings

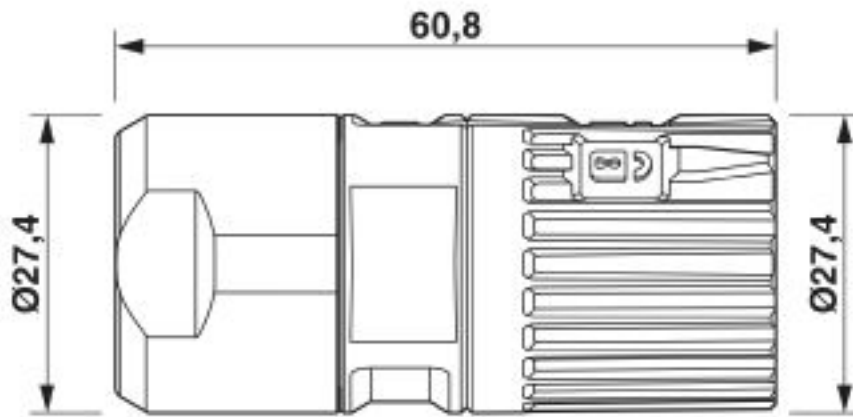
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Schematic diagram



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Dimensional drawing



Technical drawings can be found under Downloads

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