

## 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, coding:N

### 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



### Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 618012
GTIN	4055626618012
Weight per Piece (excluding packing)	100.000 g
Custom tariff number	85366990
Country of origin	Germany

### Technical data

#### Temperature range

Temperature range	-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
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### Technical data

#### Data of the insulating body

Coding	N
Insulator material	PA 6.6
Contact connection method	Crimp connection
Type of contacts	Pin
Application	Signal
Number of positions	9
Direction of rotation	Standard
Contact diameter of power contacts	2 mm
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 for power contacts	20 A
Note	for max. connection cross section
Rated voltage	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>
Nominal current per signal contact	8 A
Note	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
Note	for max. connection cross section
Installation height	2000 m

#### 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

# Cable connector - M23-09P1N8A80DUS - 1629168

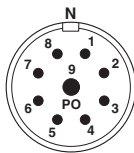
## Technical data

### Environmental Product Compliance

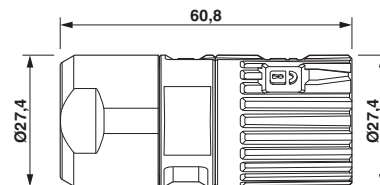
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

## Drawings

Schematic diagram

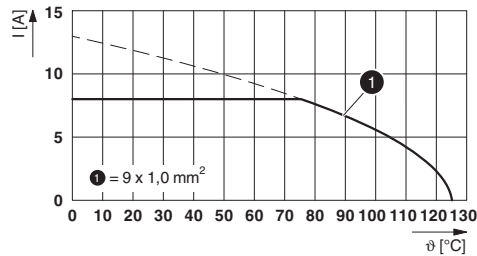


Dimensional drawing



Technical drawings can be found under Downloads

Diagram



I = current strength,  $\vartheta$  = ambient temperature, 9x 8 A

## Classifications

### eCl@ss

eCl@ss 10.0.1	27440102
eCl@ss 11.0	27440102
eCl@ss 9.0	27440102

### ETIM

ETIM 6.0	EC002061
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## Approvals

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## Approvals

### Approvals

UL Recognized / cUL Recognized / cULus Recognized

### Ex Approvals

## Approval details

UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	E335019-20141210
Nominal voltage UN		300 V	
Nominal current IN		6 A	
mm <sup>2</sup> /AWG/kcmil		20	

cUL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	E335019-20141210
Nominal voltage UN		300 V	
Nominal current IN		4 A	
mm <sup>2</sup> /AWG/kcmil		20	

cULus Recognized			
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## Accessories

### Accessories

Circular connectors (device side)

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### Accessories

Hook wrench - SF-Z0027 - 1607455



Hook wrench

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### Crimp contact

Crimp contact - RC-11P2000 - 1596770



Crimp contact, turned, Single contact, contact diameter: 1 mm, crimp range: 0.08 mm<sup>2</sup> ... 0.22 mm<sup>2</sup>

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Crimp contact - RC-12P2000 - 1597862



Crimp contact, turned, Single contact, contact diameter: 1 mm, crimp range: 0.14 mm<sup>2</sup> ... 0.56 mm<sup>2</sup>

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Crimp contact - RC-1KP2000 - 1602996



Crimp contact, turned, Single contact, contact diameter: 1 mm, crimp range: 0.5 mm<sup>2</sup> ... 1 mm<sup>2</sup>

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Crimp contact - RC-22P2000 - 1603321



Crimp contact, rolled, Single contact, contact diameter: 1 mm, crimp range: 0.22 mm<sup>2</sup> ... 0.56 mm<sup>2</sup>, Single contact

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### Accessories

#### Crimp contact - RC-22P2300 - 1603324



Crimp contact, rolled, Taped articles, number of pieces per reel: 500, contact diameter: 1 mm, crimp range: 0.22 mm<sup>2</sup> ... 0.56 mm<sup>2</sup>

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#### Crimp contact - RC-22P2400 - 1603325



Crimp contact, rolled, number of pieces per reel: 10000, contact diameter: 1 mm, crimp range: 0.22 mm<sup>2</sup> ... 0.56 mm<sup>2</sup>

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#### Crimp contact - RC-21P2000 - 1603310



Crimp contact, rolled, Single contact, contact diameter: 1 mm, crimp range: 0.08 mm<sup>2</sup> ... 0.22 mm<sup>2</sup>, Single contact

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#### Crimp contact - RC-21P2300 - 1603313



Crimp contact, rolled, Taped articles, number of pieces per reel: 500, contact diameter: 1 mm, crimp range: 0.08 mm<sup>2</sup> ... 0.22 mm<sup>2</sup>

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#### Crimp contact - RC-21P2400 - 1611637



Crimp contact, rolled, number of pieces per reel: 10000, contact diameter: 1 mm, crimp range: 0.08 mm<sup>2</sup> ... 0.22 mm<sup>2</sup>

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### Accessories

Crimp contact - RC-5SP2000 - 1603529



Crimp contact, turned, contact diameter: 2 mm, crimp range: 0.5 mm<sup>2</sup> ... 0.75 mm<sup>2</sup>

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Crimp contact - RC-59P2000 - 1603498



Crimp contact, turned, contact diameter: 2 mm, crimp range: 0.75 mm<sup>2</sup> ... 1 mm<sup>2</sup>

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Crimp contact - RC-5CP2000 - 1603513



Crimp contact, turned, contact diameter: 2 mm, crimp range: 1 mm<sup>2</sup> ... 1.5 mm<sup>2</sup>

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Crimp contact - RC-5AP2000 - 1603505



Crimp contact, turned, contact diameter: 2 mm, crimp range: 1.5 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>

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### Mounting material

Torque screwdriver - SF-Z0028 - 1607456



Torque screwdriver

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### Accessories

Special wrench - RF-Z0007 - 1614347



Special wrench