# M23-5ES198A8L23 - Cable connector

1628809

https://www.phoenixcontact.com/us/products/1628809

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.



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

M23, Cable connector, application: Power, series: M23 PRO, straight long, shielded: yes, Screw locking mechanism, No. of pos.: 5+PE, contact connection type: Socket, Crimp connection, cable diameter range: 7.5 mm ... 12 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
- 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

## Commercial data

| | |
|---|---|
| Item number | 1628809 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | AB30 |
| Product key | ABRBBA |
| GTIN | 4055626618975 |
| Weight per piece (including packing) | 162.2 g |
| Weight per piece (excluding packing) | 146.007 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

## Technical data

### Notes

| | |
|---|---|
| Order information: | Order crimp contacts 6 x Ø 2 mm separately |

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

Connection 1

| | |
|---|---|
| Head design | Socket |

Insulating body

| | |
|---|---|
| Note | Order information: Order crimp contacts 6 x Ø 2 mm separately |
| Coding | N |
| Material (Insulating body) | PA 6.6 |
| Insertion/withdrawal cycles | 100 |
| Connection method | Crimp connection |
| Contact switching type | Socket |
| Application | Power |
| Number of positions | 6 |
| Connection profile | 5+PE |
| Installation height | 3000 m |
| Number (Contact group 1) | 6 |
| Contact diameter (Contact group 1) | 2 mm |
| Litz wires Min. cross section (Contact group 1) | 0.25 mm² |
| Litz wires Max. cross section (Contact group 1) | 4 mm² |
| Rated current Contact (Contact group 1) | 30 A (for max. connection cross section) |
| Rated voltage Contact (Contact group 1) | 630 V |
| Rated surge voltage | 6 kV |
| Overvoltage category | III |
| Degree of pollution | 3 |

Housing

| | |
|---|---|
| Type | Cable connector housing |
| Thread type | M23 |
| Design | straight long |
| 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 | 7.5 mm ... 12 mm |
| Seal material | FKM |

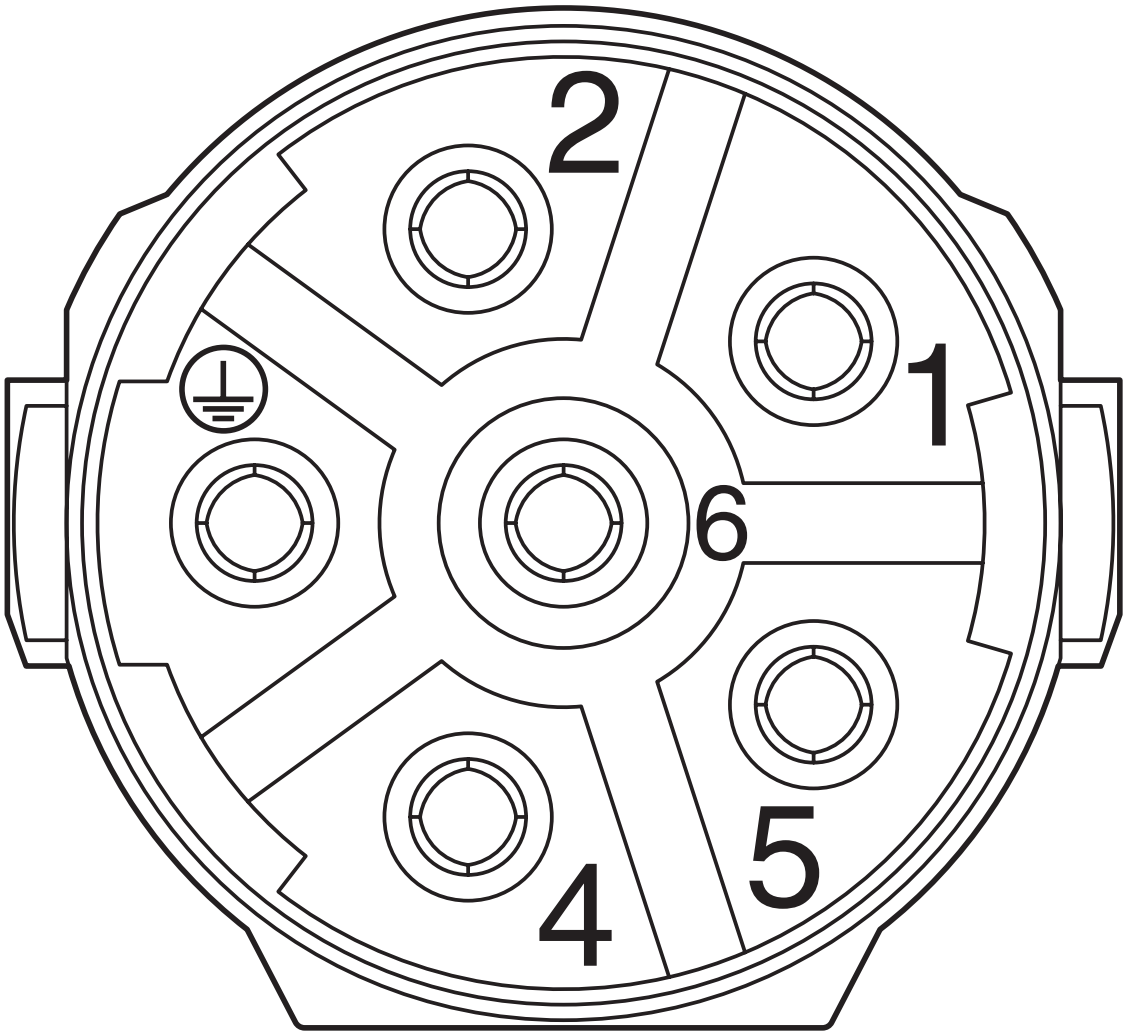
## Environmental and real-life conditions

Ambient conditions

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

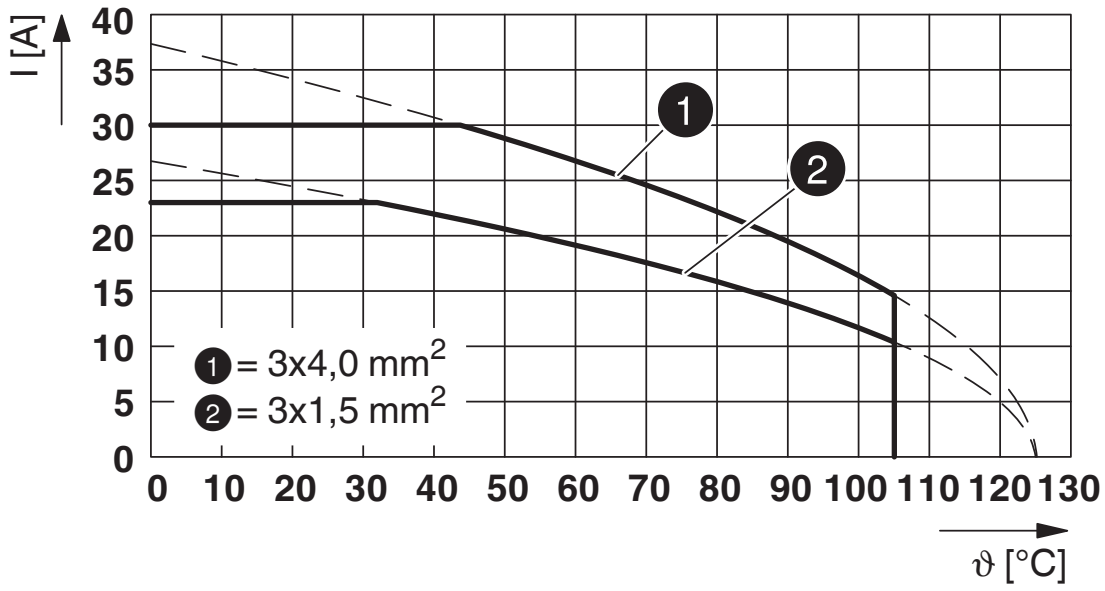
## Drawings

Schematic diagram




Connector pin assignment

Diagram




I = current strength, ϑ = ambient temperature, 3 x 30 A (curve 1), 3 x 24 A (curve 2)

## Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1628809

**UL Listed**
Approval ID: E468743

**cUL Listed**
Approval ID: E468743

## 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 USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com