

SM-5EP1N8A9L03 - Coupler connector



1605779

<https://www.phoenixcontact.com/us/products/1605779>

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.



Coupler connector, application: Power, straight long, Screw locking mechanism, M40, number of positions: 2+3+PE, contact connection type: Pin, shielded: yes, cable diameter range: 12.5 mm .. 17 mm, number of positions: 6, connection method: Crimp connection, series: SM

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 1605779 |
| Packing unit | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | NULL |
| Product key | ABRBGG |
| GTIN | 4046356254731 |
| Weight per piece (including packing) | 569 g |
| Weight per piece (excluding packing) | 297.19 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

SM-5EP1N8A9L03 - Coupler connector



1605779

<https://www.phoenixcontact.com/us/products/1605779>

Technical data

Notes

| | |
|--------------------|--|
| Order information: | Order crimp contacts 4 x Ø 2 mm, 4 x Ø 3.6 mm separately |
|--------------------|--|

Product properties

| | |
|---------------------|---------------------------------|
| Product type | Circular connector (cable-side) |
| Series | SM |
| Application | Power |
| Number of positions | 6 |
| Connection profile | 2+3+PE |
| Shielded | yes |
| Thread type | M40 |

Connection data

Conductor connection

| | |
|-------------------|------------------|
| Connection method | Crimp connection |
|-------------------|------------------|

Electrical properties

Contact: Contact group 1

| | |
|-----------------------|--------|
| Contact diameter | 3.6 mm |
| Nominal current I_N | 70 A |
| Nominal voltage U_N | 630 V |
| Overvoltage category | III |
| Degree of pollution | 3 |
| Rated surge voltage | 6 kV |

Contact: Contact group 2

| | |
|-----------------------|-------|
| Contact diameter | 2 mm |
| Nominal current I_N | 30 A |
| Nominal voltage U_N | 250 V |
| Overvoltage category | III |
| Degree of pollution | 3 |
| Rated surge voltage | 4 kV |

Connector

| | |
|------|---------------|
| Type | straight long |
|------|---------------|

Cable/line

| | |
|-------------------------|-------------------|
| External cable diameter | 12.5 mm ... 17 mm |
|-------------------------|-------------------|

Environmental and real-life conditions

Ambient conditions

SM-5EP1N8A9L03 - Coupler connector



1605779

<https://www.phoenixcontact.com/us/products/1605779>

| | |
|---------------------------------|-------------------|
| Degree of protection | IP67 |
| Ambient temperature (operation) | -40 °C ... 125 °C |
| Altitude | 3000 m |

SM-5EP1N8A9L03 - Coupler connector

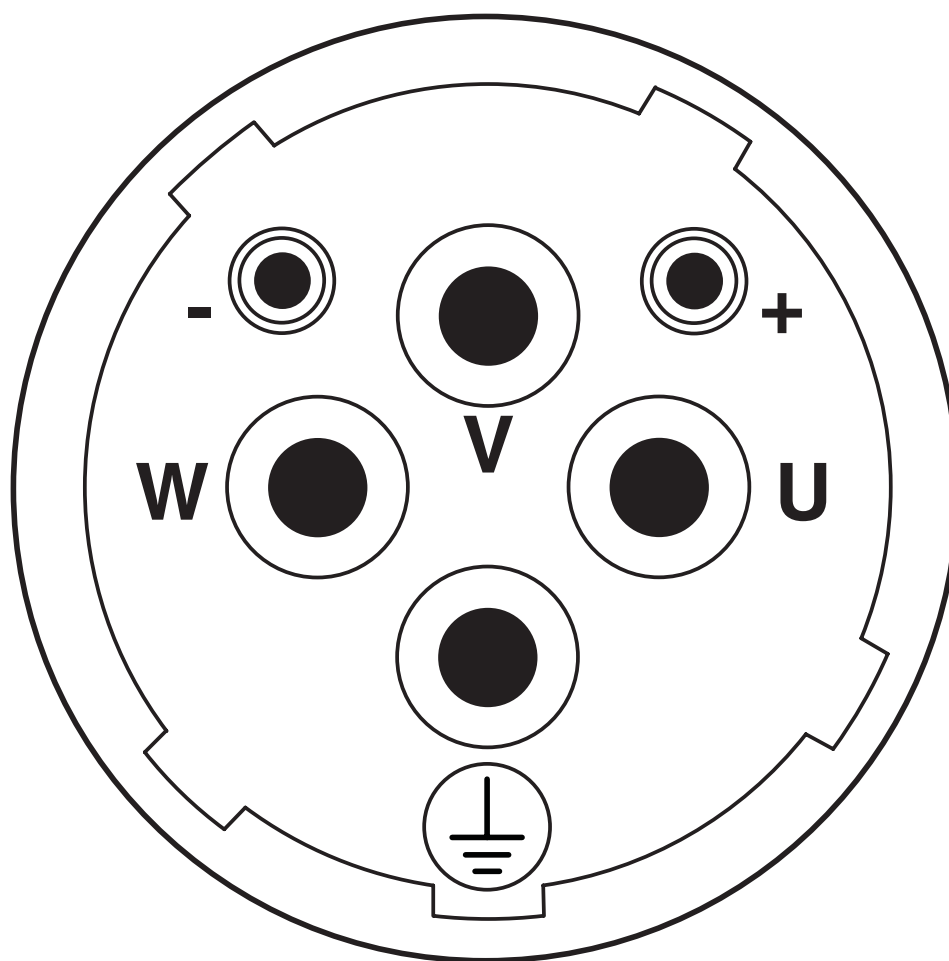


1605779

<https://www.phoenixcontact.com/us/products/1605779>

Drawings

Schematic diagram



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