

# SM-5EP1N8A9L03 - Coupler connector



1605779

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

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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

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## Technical data

### Notes

Order information:	Order crimp contacts 4 x Ø 2 mm, 4 x Ø 3.6 mm separately
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### 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
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### 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
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### Cable/line

External cable diameter	12.5 mm ... 17 mm
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### Environmental and real-life conditions

#### Ambient conditions

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

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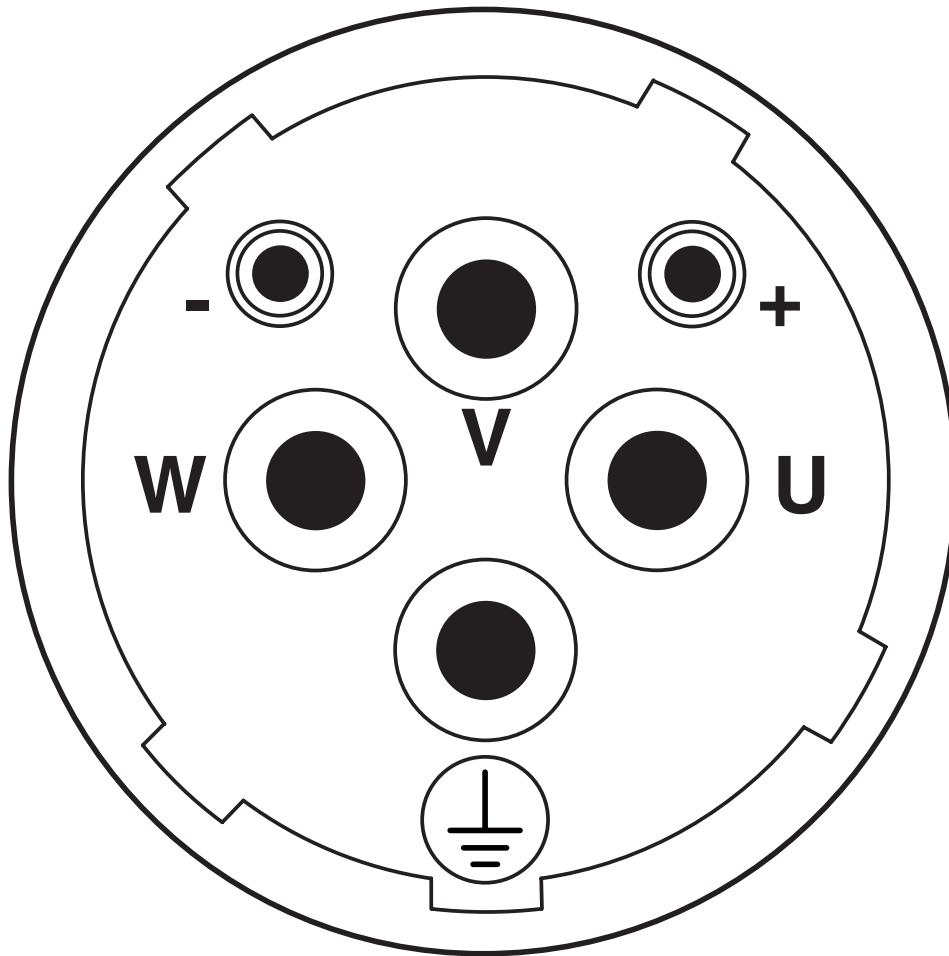


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## Drawings

Schematic diagram



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