SM-5EPWN8AWT00 - Device connector front mounting

1613517

https://www.phoenixcontact.com/us/products/1613517

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CRIMP



The figure shows the 8-pos. (4+3+PE) product version

Device connector front mounting, application: Power, straight, for standard and SPEEDCON interlock, M40, number of positions: 2+3+PE, contact connection type: Pin, Axial O-ring, shielded: yes, flange dimensions: 40 mm x 40 mm, number of positions: 6, connection method: Crimp connection, series: SM, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

Your advantages

- Consistent EMC protection for reliable connection solutions in the industrial environment
- Crimping connection: vibration- and temperature-resistant assembly

Commercial data

Item number	1613517
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB32
Product key	ABRBGL
GTIN	4046356364829
Weight per piece (including packing)	190.3 g
Weight per piece (excluding packing)	127.837 g
Customs tariff number	85366990
Country of origin	DE

Technical data

Notes

Order information:	Order crimp contacts 2 x Ø 2 mm, 4 x Ø 3.6 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.

Mounting

Mounting type	Front mounting/square flange (4x Ø 4,2 mm)

Product properties

Product type	Circular connectors (device side)
Series	SM
Application	Power
Number of positions	6
Connection profile	2+3+PE
Shielded	yes
Coding	N
Thread type	M40

Dimensions

Housing

Flange dimensions	40 mm x 40 mm

Material specifications

Material Housing	GD-Zn
Material Rotating parts	CuZn
Material Housing surface	Ni
Material Insulating body	PA 6.6
Material Seal	FPM (O-ring)

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

Connection data

Conductor connection

Connection method	Crimp connection
Contact connection type	Pin

Connector

Type	straight

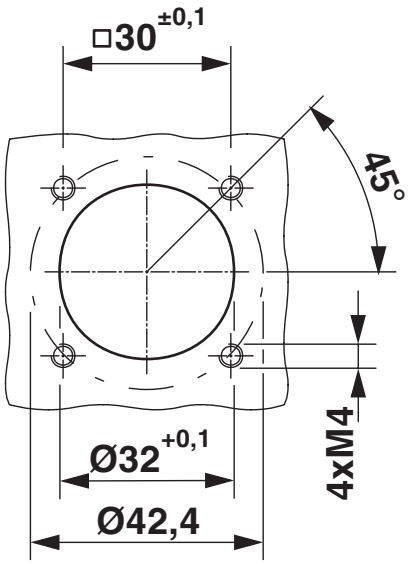
Environmental and real-life conditions

Ambient conditions

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

Drawings

Dimensional drawing



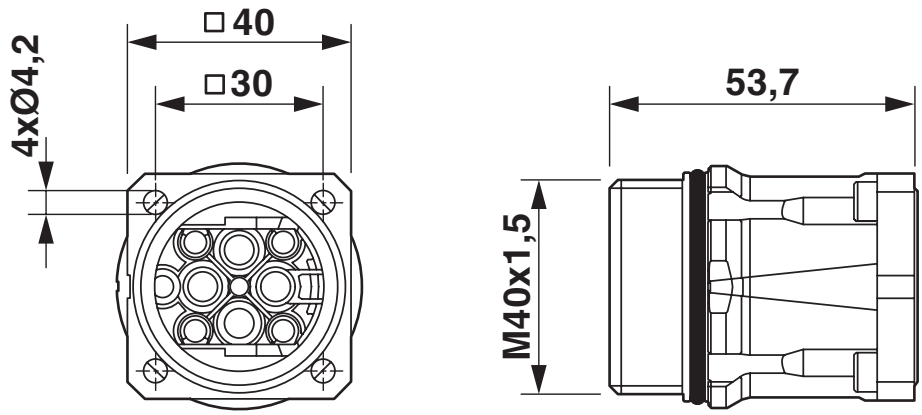
Installation dimensions

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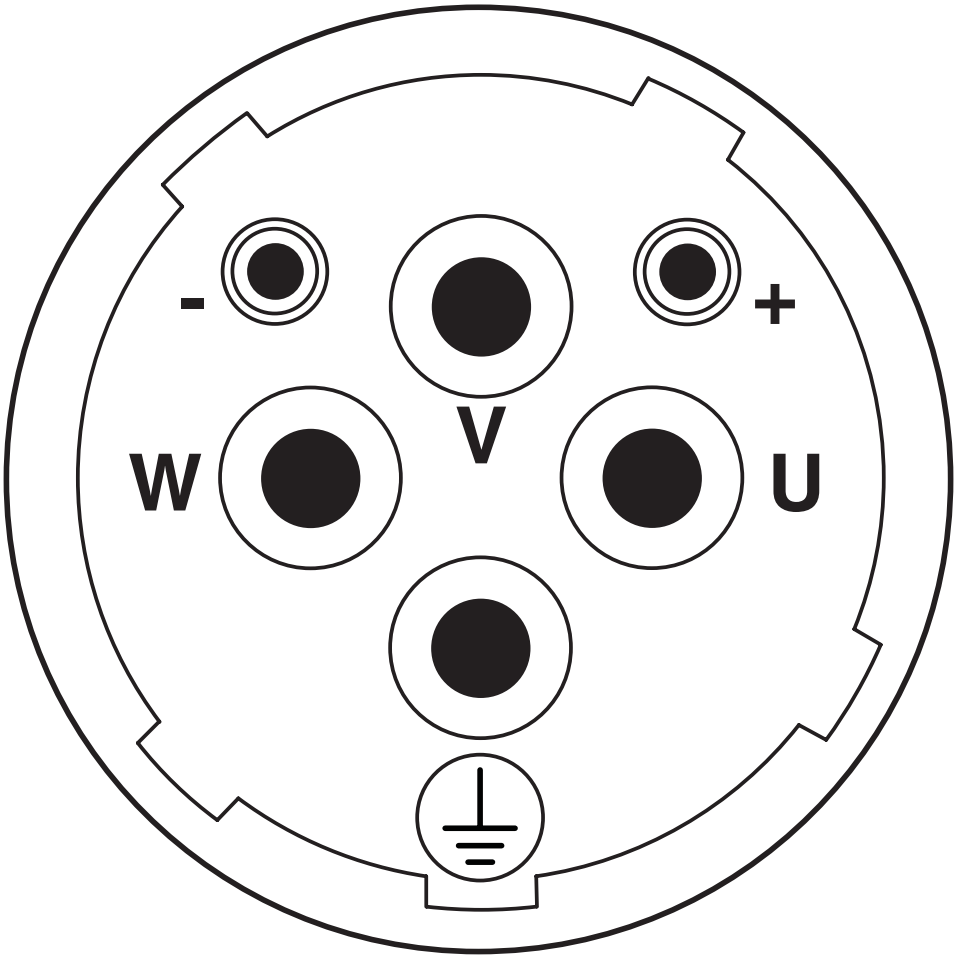
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Dimensional drawing



Dimensional drawing

Schematic diagram



Connector pin assignment

Diagram



I = current strength, T = ambient temperature

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1613517

cUL Recognized
Approval ID: E153698-20150903

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
Power	600 V	40 A	-	-
Signal	600 V	20 A	-	-

UL Recognized
Approval ID: E153698-20150903

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
Power	600 V	65 A	-	-
Signal	600 V	30 A	-	-

Classifications

ECLASS

ECLASS-13.0	27440109
ECLASS-15.0	27440109

ETIM

ETIM 10.0	EC003569

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%

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