

PRC 3-FT25-MC4-300 - Device connector rear mounting

1349878

<https://www.phoenixcontact.com/us/products/1349878>

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Device connector rear mounting, Range of articles: PRC 35, housing material: PPE, color: black, number of positions: 3, max. conductor cross section: 4 mm², rated voltage: 690 V AC, rated current: 32 A, Connection method: Crimp connection, Contact connection type: Pin, This item is also available with other cable lengths. For your specific requirements, please contact your local PHOENIX CONTACT subsidiary.

Your advantages

- Up to 75% smaller in size than industrial connectors with the same rating
- Locking mechanism can be unlocked manually or using a tool
- Suitable for applications in atmospheres containing salt and in direct sunlight
- Ideal for indoor and outdoor use due to weatherproof materials

Commercial data

Item number	1349878
Packing unit	10 pc
Minimum order quantity	50 pc
Sales key	AB05
Product key	ABL CAS
GTIN	4063151668099
Weight per piece (including packing)	64.23 g
Weight per piece (excluding packing)	22.22 g
Customs tariff number	85444290
Country of origin	PL

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Technical data

Notes

Order information:	This item is also available with other cable lengths. For your specific requirements, please contact your local PHOENIX CONTACT subsidiary.
Note on application	For assembly notes, please refer to the packing slip

Product properties

Product type	Panel feed-through
Product family	PRC 35
Number of positions	3
Connection profile	2+PE
Coding	AD

Insulation characteristics

Protection class	II (double or reinforced insulation)
Degree of pollution	2

Connection data

Conductor connection

Tightening torque	2.5 Nm \pm 0.1 Nm (Tightening torque nut)
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Dimensions

Width	35 mm
Height	35 mm
Length	29.5 mm

Electrical properties

Nominal voltage ATD	690 V AC (III/2.00) in accordance with IEC 61984
	500 V AC (III/2.00) in accordance with IEC 61535/2 PfG 1915
	600 V AC / DC (III/2.00) in accordance with UL 2238 / UL 2237
	500 V DC (III/2.00) in accordance with IEC 61535
	600 V AC / DC in accordance with UL 2237
Rated current	32 A (With 4 mm ² conductor cross section in accordance with IEC 61984)
	25 A (With 4 mm ² conductor cross section in accordance with IEC 61535)
	17.3 A (With 4 mm ² conductor cross section and 85 °C in accordance with 2 PfG 1915)
	29 A (with AWG 12, in accordance with UL 2237)

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	100
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Insertion force	30 N ±10 N
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Material specifications

Color	black
Material	PPE (Nut)
Flammability rating according to UL 94	V0
Seal material	Silicon
	EPDM
	Silicon
Housing material	PPE

Cable/line

Single wire, cross section	4 mm ²
Halogen-free	no

Mounting

Mounting type	Rear mounting
Thread type	M25 x 1,5 ()

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65 (Lengthwise waterproofing)
	IP66 / IP68 (2m / 24h) / IP69K
Ambient temperature (operation)	-40 °C ... 105 °C (dependent on the derating curve)
Ambient temperature (storage/transport)	-40 °C ... 70 °C
Ambient temperature (assembly)	5 °C ... 85 °C

Standards and regulations

Standards/specifications	IEC 61984:2008
	EN 61984:2008
	DIN EN IEC 61535:2020
	IEC 61535:2019
	2 PfG 1915/03.2015
	UL 2237 Ed.1:2021-01-08
	CSA C22.2 No. 182.3-16 Ed.2:2019-01

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Approvals


To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1349878>

 UL Listed Approval ID: E468743-20190809				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	600 V	32 A	-	14 - 10

 cUL Listed Approval ID: E468743-20190809				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	600 V	25 A	14 - 10	-

 TÜV Rheinland Approval ID: R 60168292 0001				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	690 V	35 A	-	-

 TÜV Rheinland Approval ID: R 60117908				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	500 V	21.4 A	-	-

 TÜV Rheinland Approval ID: R 60168255 0001				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	500 V	32 A	-	-

DNV Approval ID: TAE00002KM				
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cULus Listed				
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Classifications

ECLASS

ECLASS-11.0	27440103
ECLASS-12.0	27440103
ECLASS-13.0	27440103

ETIM

ETIM 9.0	EC003570
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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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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