

Device connector, rear mounting - PRC 3-FT25-MC WO NUT



1627608

<https://www.phoenixcontact.com/au/products/1627608>

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Panel feed-through, Range of articles: PRC 35, Device connector, rear mounting, housing material: PPE, color: black, number of positions: 3, rated voltage: 690 V AC, rated current: 35 A, Connection method: Crimp connection, Type of contact: Pin. Nut must be ordered separately

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
- Ideal for indoor and outdoor use due to weatherproof materials
- Either pre-assembled or for assembly

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Commercial Data

Item number	1627608
Packing unit	50 pc
Minimum order quantity	50 pc
Note	Made to Order (non-returnable)
Sales Key	ABOBEB
Product Key	ABLCAC
GTIN	4055626337845
Weight per Piece (including packing)	12.698 g
Weight per Piece (excluding packing)	12.698 g
Customs tariff number	85389099
Country of origin	PL

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Technical Data

Notes

Order information:	Nut must be ordered 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. • WARNING: Only electrically qualified personnel may install and operate the product. They must observe the following safety notes. The qualified personnel must be familiar with the basics of electrical engineering. They must be able to recognize and prevent danger. The relevant symbol on the packaging indicates that only personnel familiar with electrical engineering are allowed to install and operate the product. WARNING: The connectors may not be plugged in or disconnected under load. Ignoring the warning or improper use may damage persons and/or property. • Assembled products may not be manipulated or improperly opened. • Only use mating connectors that are specified in the technical data of the standards listed (e.g. the ones listed in the product accessories online at phoenixcontact.com/products). • When using the product in direct connection with third-party manufacturers, the user is responsible. • For operating voltages > 50 V AC, conductive connector housings must be grounded • Ensure that the protective or functional ground has been properly connected. • VDE 0100/1.97 § 411.1.3.2 and DIN EN 60 204/11.98 § 14.1.3 are applicable when combining several circuits in a cable and/or connector • Observe the corresponding technical data. You will find information: - o On the product - o On the packing label - o In the supplied documentation - o Online at phoenixcontact.com/products under the product • Only use tools recommended by Phoenix Contact • The installation notes/Design In documents online on the download page at phoenixcontact.com/products must be observed for this product. • Use a protective cap to protect connectors that are not in use. The suitable accessories are available online in the accessory section of the product at phoenixcontact.com/products • Operate the connector only when it is fully plugged in. • Operate the connector only when it is fully plugged in and interlocked. • Ensure that when laying the cable, the tensile load on the connectors does not exceed the upper limit specified in the standards.

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1627608

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- Observe the minimum bending radius of the cable. Lay the cable without twisting it.
- The connector warms up in normal operation. Depending on the ambient conditions, the surface of the connector can continue to warm up. In this case, the user is responsible for posting warnings (e.g. DIN EN ISO 13732-1:2008-12).

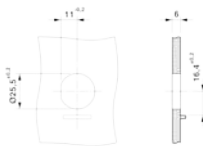
Product properties

Product type	Panel feed-through
Number of positions	3
Connection profile	2+PE
Locking type	Snap-in locking
Insertion force	30 N $\pm$ 10 N

Insulation characteristics

Protection class	II
Degree of pollution	2

Dimensions

Dimensional drawing	
Width	35 mm
Height	35 mm
Length	29.5 mm
Hole diameter	25.5 mm
Wrench size, union nut	32 mm

Electrical properties

Rated voltage (III/2)	690 V
Nominal voltage ATD	690 V AC in accordance with IEC 61984
	500 V AC in accordance with IEC 61535/2 PfG 1915
	600 V AC In accordance with UL 2238
Rated surge voltage (III/2)	8 kV
Rated current	35 A (With 6 mm ² conductor cross section in accordance with IEC 61984)
	32 A (With 6 mm ² conductor cross section in accordance with IEC 61535)
	21.4 A (With 6 mm ² conductor cross section and 85 °C in accordance with 2 PfG 1915)
	32 A (with AWG 10, in accordance with UL 2237)

Mechanical properties

Mechanical data

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1627608

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Insertion force	30 N ±10 N
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Material specifications

Color	black
Color of the housing part	black
Flammability rating according to UL 94	V0
Insulating material group	I / CTI 600
Seal material	EPDM
Contact material	Cu alloy
Contact surface material	Ag
Contact carrier material	PPE
O-ring material	Silicon
Housing material	PPE

Connector

Insertion/withdrawal cycles	100
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Cable / line

Cable structure

Stripping length of the individual wire	12 mm
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Mounting

Mounting type	Rear mounting
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Ambient conditions

Degree of protection (when plugged in)	IP66 / IP68 (2m / 24h) / IP69K
Degree of protection (not plugged in)	IP65 (Longitudinal watertightness, only in conjunction with contacts from the accessories range)
Degree of protection	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

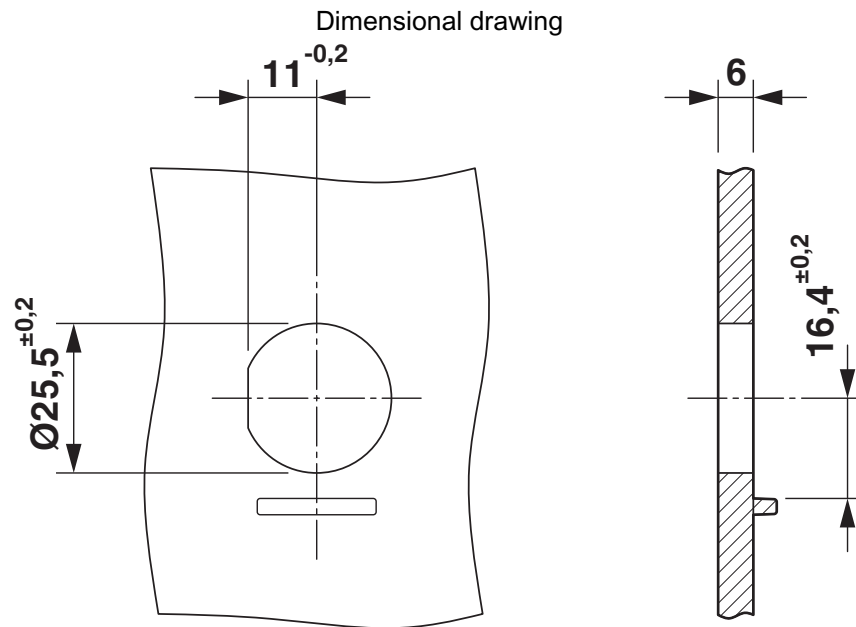
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1627608

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Drawings



Housing cutout

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1627608

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Approvals



EAC

Approval ID: B.01687

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1627608

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Classifications

ECLASS

ECLASS-9.0	27440103
ECLASS-10.0.1	27440109
ECLASS-11.0	27440109

ETIM

ETIM 8.0	EC003569
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UNSPSC

UNSPSC 21.0	39121400
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Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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Accessories

Crimping pliers

Crimping pliers - CRIMPFOX-1,6/2,5-ED-4,0 - 1687419

<https://www.phoenixcontact.com/au/products/1687419>



Crimping pliers, for turned contacts, CK 1.6 ED... and CK 2.5 ED...

Crimp contact

Crimp contact - CK2,5-M-2,5 AG - 1409207

<https://www.phoenixcontact.com/au/products/1409207>



Crimp contact, Range of articles: PRC 35, Crimp contact, max. conductor cross section: 2.5 mm², rated voltage: 690 V AC, rated current: 24 A, Connection method: Crimp connection, Type of contact: Pin. Crimping recommendation: Crimp the conductors with the crimp contact in accordance with DIN EN 60352-2.

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1627608

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Crimp contact

Crimp contact - CK2,5-M-4 AG - 1409208

<https://www.phoenixcontact.com/au/products/1409208>



Crimp contact, Range of articles: PRC 35, Crimp contact, max. conductor cross section: 4 mm², rated voltage: 690 V AC, rated current: 32 A, Connection method: Crimp connection, Type of contact: Pin. Crimp the wire with the crimp contact in accordance with DIN EN 60352-2

Crimp contact

Crimp contact - CK2,5-M-6 AG - 1409209

<https://www.phoenixcontact.com/au/products/1409209>



Crimp contact, Range of articles: PRC 35, Crimp contact, max. conductor cross section: 6 mm², rated voltage: 690 V AC, rated current: 35 A, Connection method: Crimp connection, Type of contact: Pin. Crimp the wire with the crimp contact in accordance with DIN EN 60352-2

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1627608

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Screwdriver

Screwdriver - SZF 1-0,6X3,5 - 1204517

<https://www.phoenixcontact.com/au/products/1204517>



Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

Protective cap

Protective cap - PRC COVER M - 1409237

<https://www.phoenixcontact.com/au/products/1409237>



Installation connector, Range of articles: PRC 35, Protective cap, housing material: PPE, color: black, rated voltage: 1000. Suitable for connectors (MS)

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1627608

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Screwdriver

Screwdriver - SZF 0-0,4X2,5 - 1204504

<https://www.phoenixcontact.com/au/products/1204504>



Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.4 x 2.5 x 75 mm, 2-component grip, with non-slip grip

Crimping pliers

Crimping pliers - CRIMPFOX-4,0-ED-6,00 - 1205859

<https://www.phoenixcontact.com/au/products/1205859>



Crimping pliers, for CK 4,0... contacts, for 4.0 - 6.0 mm² conductor cross sections

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1627608

<https://www.phoenixcontact.com/au/products/1627608>

Nut

Nut - FT NUT M25 BK - 1457937

<https://www.phoenixcontact.com/au/products/1457937>



Installation connector, Range of articles: PRC 35, Nut, color: black

Nut

Nut - FT NUT M25 GN - 1049830

<https://www.phoenixcontact.com/au/products/1049830>



Installation connector, Range of articles: PRC 35, Nut, color: green

Device connector, rear mounting - PRC 3-FT25-MC WO NUT



1627608

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Nut

Nut - FT NUT M25 BU - 1049831

<https://www.phoenixcontact.com/au/products/1049831>

Installation connector, Range of articles: PRC 35, Nut, color: blue



Nut

Nut - FT NUT M25 GY - 1049832

<https://www.phoenixcontact.com/au/products/1049832>

Installation connector, Range of articles: PRC 35, Nut, color: gray



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