PT 2,5-4L/2P-FS - Flange

3012312

https://www.phoenixcontact.com/us/products/3012312

PHŒNIX CONTACT

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Flange, width: 5.2 mm, height: 125 mm, color: gray

Your advantages

- In addition to the testing option in the double function shaft, all terminal blocks provide an additional test pick-off

- The compact design and front connection enable wiring in a confined space

- The Push-in connection terminal blocks are characterized by the system features of the CLIPLINE complete system and by easy and tool-free wiring of conductors with ferrules or solid conductors

Commercial data

Item number	3012312
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	BE22
Product key	BE224Z
Catalog page	Page 294 (C-1-2019)
GTIN	4046356645959
Weight per piece (including packing)	13.5 g
Weight per piece (excluding packing)	13.2 g
Customs tariff number	85389099
Country of origin	PL

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Technical data

Product properties

Product type	Flange

Dimensions

Width	5.2 mm
End cover width	2.2 mm
Height	125 mm
Depth on NS 35/7,5	59 mm
Depth on NS 35/15	66.5 mm

Material specifications

Color	gray
Flammability rating according to UL 94	V0
Insulating material	PA
Static insulating material application in cold	-60 °C
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Fire protection for rail vehicles (DIN EN 45545-2) R22	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R23	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R24	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R26	HL 1 - HL 3
Surface flammability NFPA 130 (ASTM E 162)	passed
Specific optical density of smoke NFPA 130 (ASTM E 662)	passed
Smoke gas toxicity NFPA 130 (SMP 800C)	passed

Electrical tests

Surge voltage test

Result	Test passed

Temperature-rise test

Requirement temperature-rise test	Increase in temperature ≤ 45 K
Result	Test passed
Short-time withstand current 2.5 mm²	0.3 kA
Result	Test passed

Power-frequency withstand voltage

Test voltage setpoint	1.89 kV
Result	Test passed

Mechanical tests

Mechanical strength

Result	Test passed

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Attachment on the carrier

Result	Test passed

Test for conductor damage and slackening

Rotation speed	10 rpm
Revolutions	135
Conductor cross section/weight	0.14 mm² / 0.2 kg
	2.5 mm² / 0.7 kg
	4 mm² / 0.9 kg
Result	Test passed

Environmental and real-life conditions

Aging

Temperature cycles	192
Result	Test passed

Needle-flame test

Time of exposure	30 s
Result	Test passed

Oscillation/broadband noise

Specification	DIN EN 50155 (VDE 0115-200):2022-06
Spectrum	Service life test category 1, class B, body mounted
Frequency	f_1 = 5 Hz to f_2 = 150 Hz
ASD level	0.964 (m/s²)²/Hz
Acceleration	0.58g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Result	Test passed

Shocks

Specification	DIN EN 50155 (VDE 0115-200):2022-06
Pulse shape	Half-sine
Acceleration	5g
Shock duration	30 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Result	Test passed

Ambient conditions

Ambient temperature (operation)	-60 °C ... 105 °C (max. short-term operating temperature RTI Elec.)
Ambient temperature (storage/transport)	-25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C

Permissible humidity (storage/transport)	30 % ... 70 %

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Classifications

ECLASS

ECLASS-11.0	27141190
ECLASS-12.0	27141190
ECLASS-13.0	27250302

ETIM

ETIM 9.0	EC002848

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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Accessories

ⓘ Note: Applying some accessories below might limit this product.

FBSR 2-5 - Plug-in bridge

3033702

https://www.phoenixcontact.com/us/products/3033702

Plug-in bridge, pitch: 5.2 mm, number of positions: 2, color: red

ⓘ Max. current carrying capacity: 17.5 A

FBSR 3-5 - Plug-in bridge

3001591

https://www.phoenixcontact.com/us/products/3001591

Plug-in bridge, pitch: 5.2 mm, number of positions: 3, color: red

ⓘ Max. current carrying capacity: 17.5 A

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FBSR 4-5 - Plug-in bridge

3001592

https://www.phoenixcontact.com/us/products/3001592

Plug-in bridge, pitch: 5.2 mm, number of positions: 4, color: red

ℹ️ Max. current carrying capacity: 17.5 A

FBSR 5-5 - Plug-in bridge

3001593

https://www.phoenixcontact.com/us/products/3001593

Plug-in bridge, pitch: 5.2 mm, number of positions: 5, color: red

ℹ️ Max. current carrying capacity: 17.5 A

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FBSR 10-5 - Plug-in bridge

3033710

https://www.phoenixcontact.com/us/products/3033710

Plug-in bridge, pitch: 5.2 mm, number of positions: 10, color: red

ⓘ Max. current carrying capacity: 17.5 A

CP-H 2,5-4L BU - Connector housing

3012322

https://www.phoenixcontact.com/us/products/3012322

Connector housing, connection method: Crimp connection, depth: 31.7 mm, width: 5.2 mm, height: 31.6 mm, number of positions: 4, color: blue

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AP-CP-H CM - Cover profile

3000801

https://www.phoenixcontact.com/us/products/3000801

Cover profile for covering terminal strips, snaps onto cover profile carrier APT-ME or end clamp APH-ME. A cover profile carrier is to be positioned at the ends and at intervals of around 40 cm. Length as per customer requirement.

AP-CP-H   METER - Cover profile

3012315

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Cover profile, length: 1 m

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CEC 2,5 - Filler plug

3062757

https://www.phoenixcontact.com/us/products/3062757
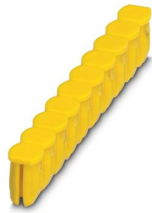
Cover for conductor shaft, 10-pos., for spring cage terminal blocks (ST) and terminal blocks with push-in technology (PT) with a width of 5.2 mm

WS PT 2,5 - Warning label

1029026

https://www.phoenixcontact.com/us/products/1029026

Warning label, yellow/black, labeled: Lightning flash, mounting type: plug in, for terminal block width: 5.2 mm

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WS-DIO PT 2,5 - Warning label

1029037

https://www.phoenixcontact.com/us/products/1029037

Warning label, yellow/black, labeled: Diode, mounting type: plug in, for terminal block width: 5.2 mm

DFS-CP-H 2,5-4L - Flange cover

3012317

https://www.phoenixcontact.com/us/products/3012317

Self-locking flange cover as a cover profile carrier, for CP-H 2,5-4L, can be adapted on both sides of the plug

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DFS-CP 2,5-4L - Flange cover

3012321

https://www.phoenixcontact.com/us/products/3012321

Flange cover, depth: 26 mm, width: 5.2 mm, height: 31.6 mm, color: gray

PROJECT COMPLETE - Software

1050453

https://www.phoenixcontact.com/us/products/1050453

Intuitive planning and marking software for configuring terminal strips and for professional marking of marking materials for terminal blocks, conductors, cables, devices, and systems. The software is available for download

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