PHŒNIX CONTACT

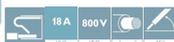# Panel feed-through terminal block - PW 4-POT-SCM/S - 3056941

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Panel feed-through terminal block, connection method: Push-in spring connection, Slip-on connection, number of positions: 1, load current: 18 A, cross section: 0.2 mm² - 4 mm², connection direction of the conductor to plug-in direction: 45 °, width: 8.1 mm, color: gray

Your advantages

☑ Easy grouping with engagement pin versions

☑ Tool-free wiring of conductors with ferrules or solid conductors from 0.34 mm²

☑ User-friendly Push-in connection

☑ Molded versions ensure maximum tightness of seal

☑ The integrated latch allows you to release connected conductors with any type of tool

☑ Time saving push-in connection, tools not required

☑ Defined contact force ensures that contact remains stable over the long term

☑ Intuitive use through colour coded actuation lever

☑ Tool-free snap-in principle enables easy mounting on the device panel

☑ Automatic panel thickness compensation enables universal use

☑ Reliable seal even with low-viscosity molding compounds

RoHS

Key Commercial Data

Packing unit	50 pc
GTIN	4 046356 485517
GTIN	4046356485517

Technical data

Item properties

Brief article description	Panel feed-through terminal block
Range of articles	PW 4-POT-SCM
Pitch	8.1 mm
Number of positions	1
Connection method	Push-in spring connection
Number of connections	2

Panel feed-through terminal block - PW 4-POT-SCM/S - 3056941

Technical data

Item properties

Number of potentials	1

Electrical parameters

Nominal current	18 A
Nom. voltage	800 V
Rated voltage	800 V
Rated surge voltage (III/3)	8 kV

Connection capacity, external

Connection method	Push-in spring connection
Connection direction of the conductor to plug-in direction	45 °
Conductor cross section solid	0.2 mm² ... 4 mm²
Conductor cross section flexible	0.2 mm² ... 6 mm²
Conductor cross section flexible, with ferrule without plastic sleeve	0.25 mm² ... 6 mm²
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.25 mm² ... 4 mm²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm² ... 1 mm²
Internal cylindrical gage	A4
Stripping length	10 mm

Connection capacity, internal

Connection method	Slip-on connection
Connection direction of the conductor to plug-in direction	0 °
Dimensions of slip-on connection	6.3 x 0.8 mm

Material data - contact

Note	WEEE/RoHS-compliant, free of whiskers according to IEC 60068-2-82/ JEDEC JESD 201
Contact material	Cu alloy
Surface characteristics	tin-plated

Material data - housing

Housing color	gray (7042)
Insulating material	PA
Insulating material group	I
CTI according to IEC 60112	600
Flammability rating according to UL 94	V0
Glow wire flammability index GWFI according to EN 60695-2-12	850
Glow wire ignition temperature GWIT according to EN 60695-2-13	775
Temperature for the ball pressure test according to EN 60695-10-2	125 °C

Dimensions for the product

Width [w]	8.1 mm
Pitch	8.1 mm

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Technical data

Dimensions for mounting cutout

Plate thickness	1 mm ... 4 mm

Packaging information

Pieces per package	50
Denomination packing units	Pcs.

General product information

Type of note	Note on application
Note	To maintain the nominal voltage, cast the terminals on the inside.

Ambient conditions

Ambient temperature (storage/transport)	-40 °C ... 70 °C
Ambient temperature (assembly)	-5 °C ... 100 °C
Ambient temperature (operation)	-40 °C ... 100 °C (Depending on the current carrying capacity/derating curve)

Electrical tests

Rated current	18 A
Conductor cross section	6 mm²

Air clearances and creepage distances

Clearances and creepage distances	Metal wall 1.0 mm ... 4.0 mm IEC 60664-1:2007-04
Application	Metal wall 1.0 mm ... 4.0 mm
Specification	IEC 60664-1:2007-04
Minimum clearance - inhomogeneous field (III/3)	8 mm
Minimum creepage distance value (III/3)	10 mm

Standards and Regulations

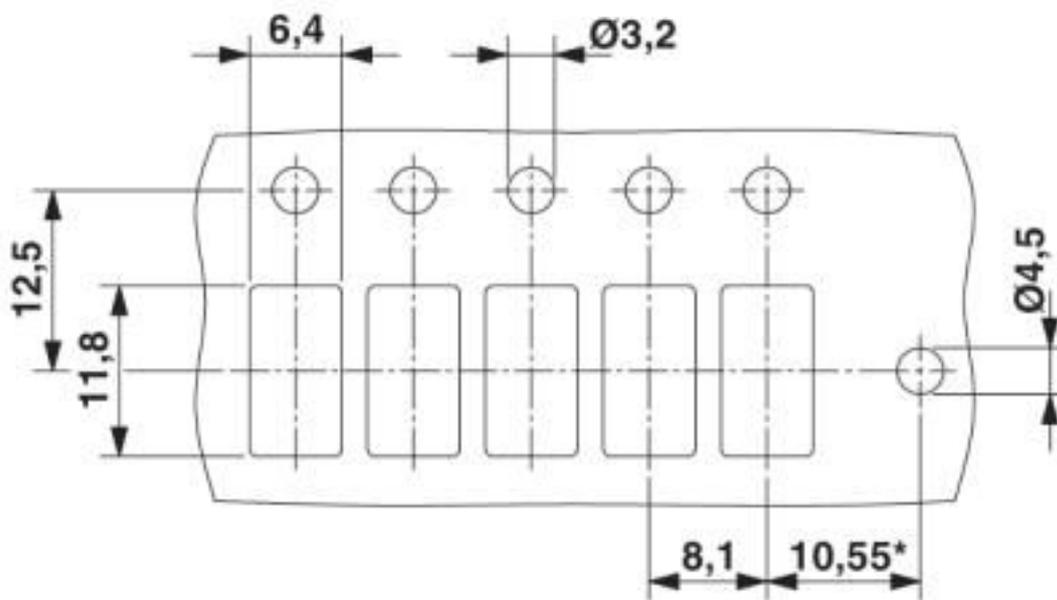| Connection in acc. with standard	CSA
	IEC 60947-7-1
Flammability rating according to UL 94	V0
Safety note	• WARNING: Only electrically qualified personnel may install and operate the product. They must observe the following safety notes. The qualified personnel must be familiar with the basics of electrical 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.
	• The installation notes/Design In documents online on the download page at phoenixcontact.com/products must be observed for this product.
	• To maintain the nominal voltage, cast the terminals on the inside.

Environmental Product Compliance

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

Drawings

Panel feed-through terminal block - PW 4-POT-SCM/S - 3056941

Dimensional drawing

*Only when using the PW 4-F flange plate

Classifications

eCl@ss

eCl@ss 10.0.1	27141134
eCl@ss 4.0	27141100
eCl@ss 4.1	27141100
eCl@ss 5.0	27141100
eCl@ss 5.1	27141100
eCl@ss 6.0	27141100
eCl@ss 7.0	27141134
eCl@ss 8.0	27141134
eCl@ss 9.0	27141134

ETIM

ETIM 4.0	EC001283
ETIM 5.0	EC001283
ETIM 6.0	EC001283
ETIM 7.0	EC001283

UNSPSC

UNSPSC 6.01	30211811
UNSPSC 7.0901	39121410
UNSPSC 11	39121410
UNSPSC 12.01	39121410

Panel feed-through terminal block - PW 4-POT-SCM/S - 3056941

Classifications

UNSPSC

UNSPSC 13.2	39121410
UNSPSC 18.0	39121410
UNSPSC 19.0	39121410
UNSPSC 20.0	39121410
UNSPSC 21.0	39121410

Approvals

Approvals

Approvals

CSA / cULus Recognized / EAC

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/		2618381-158887	
	B		C		D
Nominal voltage UN	300 V		300 V		600 V
Nominal current IN	30 A		30 A		5 A
mm²/AWG/kcmil	24-10		24-10		24-10

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm		E60425-20100423	
	B		C		D
Nominal voltage UN	300 V		300 V		600 V
Nominal current IN	30 A		30 A		5 A
mm²/AWG/kcmil	24-10		24-10		24-10

EAC		B.01687

Accessories

Accessories

Flange

Panel feed-through terminal block - PW 4-POT-SCM/S - 3056941

Accessories

Flange cover - PW 4-F - 3000403

Flange, number of positions: 0, color: gray

Insertion bridge

Insertion bridge - EB 2- 8 - 0202154

Insertion bridge, pitch: 8 mm, number of positions: 2, color: gray

Insertion bridge - EB 3- 8 - 0202141

Insertion bridge, pitch: 8 mm, number of positions: 3, color: gray

Insertion bridge - EB 4- 8 - 0202142

Insertion bridge, pitch: 8 mm, number of positions: 4, color: gray

Insertion bridge - EB 10- 8 - 0202138

Insertion bridge, pitch: 8 mm, number of positions: 10, color: gray

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Accessories

Insertion bridge - EB 1/3/5/7-8 - 3072340

Insertion bridge, pitch: 16.4 mm, length: 24 mm, width: 55.4 mm, number of positions: 4, pin assignment: 1, 3, 5, 7, color: gray

Insertion bridge - EB 1/3/5-8 - 3072341

Insertion bridge, pitch: 16.4 mm, length: 24 mm, width: 39 mm, number of positions: 3, pin assignment: 1,3,5, color: gray

Labeled terminal marker

Zack marker strip - ZB 8 CUS - 0825011

Zack marker strip, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 8.2 mm, lettering field size: 10.5 x 8.15 mm, Number of individual labels: 10

Marker for terminal blocks - UC-TMF 8 CUS - 0824654

Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into flat marker groove, for terminal block width: 8.2 mm, lettering field size: 7.6 x 5.1 mm, Number of individual labels: 56

Marker for terminal blocks - UC-TM 8 CUS - 0824597

Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 8.2 mm, lettering field size: 7.6 x 10.5 mm, Number of individual labels: 56

Panel feed-through terminal block - PW 4-POT-SCM/S - 3056941

Accessories

Zack Marker strip, flat - ZBF 8 CUS - 0825030

Zack Marker strip, flat, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into flat marker groove, for terminal block width: 8 mm, lettering field size: 5.15 x 8.15 mm, Number of individual labels: 10

Screwdriver tools

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

Terminal marking

Marker for terminal blocks - TMT (EX9,5)R - 0828295

Marker for terminal blocks, Roll, white, unlabeled, can be labeled with: THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, mounting type: snap into universal marker groove, snap into tall marker groove, for terminal block width: 50000 mm, lettering field size: 9.5 x 50000 mm, Number of individual labels: 1

Marker for terminal blocks - UC-TM 8 - 0818072

Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into tall marker groove, for terminal block width: 8.2 mm, lettering field size: 7.6 x 10.5 mm, Number of individual labels: 56

Marker for terminal blocks - UC-TMF 8 - 0818137

Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into flat marker groove, for terminal block width: 8.2 mm, lettering field size: 7.6 x 5.1 mm, Number of individual labels: 56

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Accessories

Zack marker strip - ZB 8:UNBEDRUCKT - 1052002

Zack marker strip, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, mounting type: snap into tall marker groove, for terminal block width: 8.2 mm, lettering field size: 10.5 x 8.15 mm, Number of individual labels: 10

Zack Marker strip, flat - ZBF 8:UNBEDRUCKT - 0808781

Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into flat marker groove, for terminal block width: 8 mm, lettering field size: 5.15 x 8.15 mm, Number of individual labels: 10

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