PT 4-WE/2 - Panel feed-through terminal block

3044907

https://www.phoenixcontact.com/lt/products/3044907

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Panel feed-through terminal block, nom. voltage: 500 V, nominal current: 24 A, number of connections: 4, number of positions: 2, connection method: Push-in connection, Rated cross section: 4 mm^2, cross section: 0.14 mm^2 - 4 mm^2, mounting type: Wall mounting, color: gray

Your advantages

- Easy grouping with engagement pin versions
- CLIPLINE complete accessories for easy bridging, testing, and marking
- Easy connection of the conductors, thanks to fast Push-in spring connection
- Highly flexible, thanks to alignable single terminal blocks
- Automatic compensation of the panel thickness via the snap principle integrated in the insulation housing

Commercial data

Item number	3044907
Packing unit	25 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	BE6
Product key	BE6112
Catalog page	Page 653 (C-1-2019)
GTIN	4055626245577
Weight per piece (including packing)	17.372 g
Weight per piece (excluding packing)	17.372 g
Country of origin	RU

Technical data

Notes

General	Minimum distance to other conductive surfaces: min 5 mm

Product properties

Product type	Feed-through terminal block
Product family	PT 4-WE
Number of positions	2
Pitch	5.2 mm
Number of connections	4
Number of rows	1
Potentials	2

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Maximum power dissipation for nominal condition	1.02 W

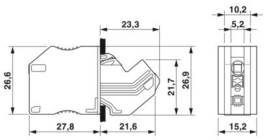
Connection data

Nominal cross section	4 mm²
Rated cross section AWG	14
Stripping length	10 mm ... 12 mm
Internal cylindrical gage	A3
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section rigid	0.14 mm² ... 4 mm²
Cross section AWG	26 ... 12 (converted acc. to IEC)
Conductor cross section flexible	0.14 mm² ... 4 mm²
Conductor cross section, flexible [AWG]	26 ... 12 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.14 mm² ... 2.5 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	0.14 mm² ... 2.5 mm²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm² ... 0.5 mm²
Nominal current	24 A
Maximum load current	30 A (with 6 mm² conductor cross section, rigid)
Nominal voltage	500 V
Nominal cross section	4 mm²

Connection cross sections directly pluggable

Conductor cross section rigid	0.34 mm² ... 4 mm²
Conductor cross section, rigid [AWG]	24 ... 12 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.34 mm² ... 2.5 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	0.34 mm² ... 2.5 mm²

Dimensions

Dimensional drawing	
Width	15.3 mm
Height	26.6 mm
Pitch	5.2 mm
Plate thickness	1 mm ... 2.5 mm

Material specifications

Color	gray
Flammability rating according to UL 94	V0
Insulating material	PA
Static insulating material application in cold	-60 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	125 °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
Calorimetric heat release NFPA 130 (ASTM E 1354)	27,5 MJ/kg
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

Test voltage setpoint	7.3 kV
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	0.15 kA
Short-time withstand current 4 mm²	0.15 kA
Short-time withstand current 2.5 mm²	0.3 kA
Short-time withstand current 4 mm²	0.3 kA
Short-time withstand current 2.5 mm²	0.5 kA
Result	Test passed

Power-frequency withstand voltage

Test voltage setpoint	1.89 kV
Result	Test passed

Mechanical properties

Mechanical data

Open side panel	No

Mechanical tests

Mechanical strength

Result	Test passed

Attachment on the carrier

DIN rail/fixing support	NS 35
Test force setpoint	1 N
Result	Test passed

Test for conductor damage and slackening

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):2008-03
Spectrum	Service life test category 1, class B, body mounted
Frequency	f_1 = 5 Hz to f_2 = 150 Hz
ASD level	0.964 $(m/s^2)^2/Hz$
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):2008-03
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 (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 %

Standards and regulations

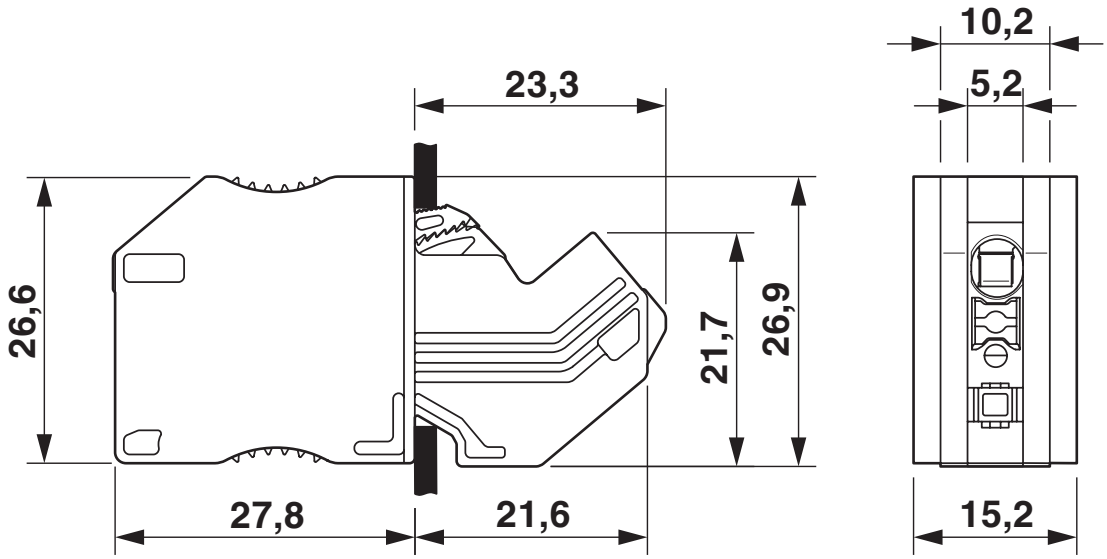
Connection in acc. with standard	IEC 60947-7-1

Mounting

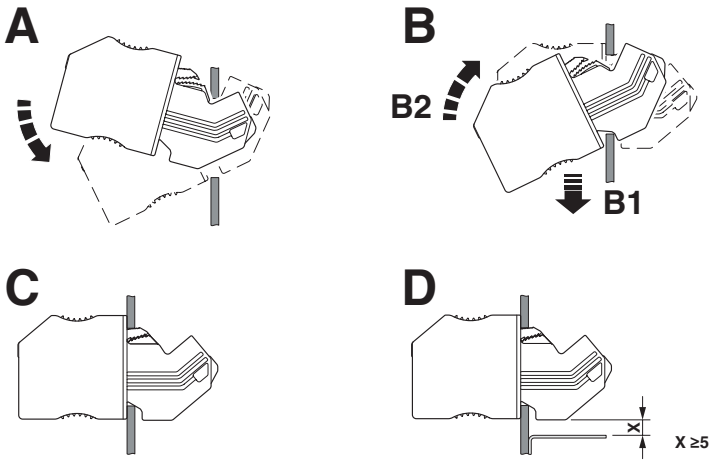
Mounting type	Wall mounting
Plate thickness	1 mm ... 2.5 mm

Drawings

Dimensional drawing

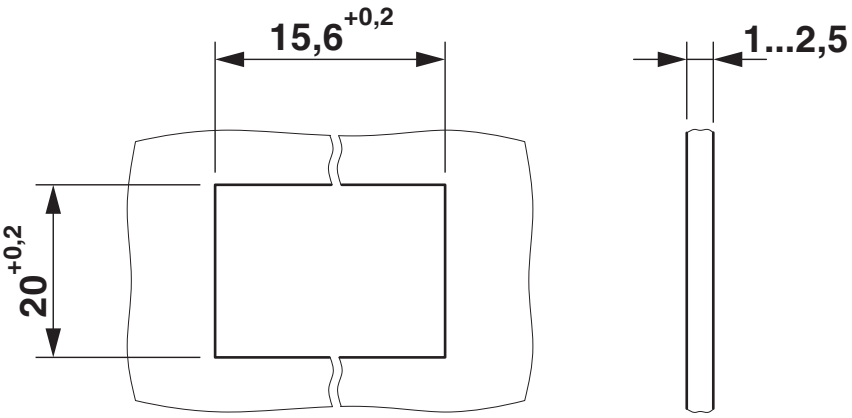


Schematic diagram

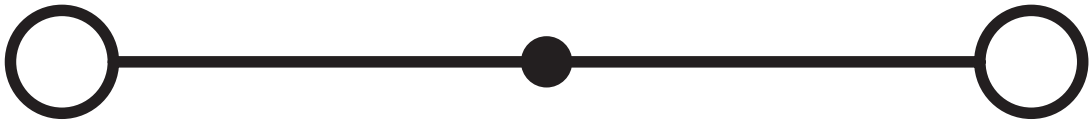


Assembly drawing

Dimensional drawing



Circuit diagram



Classifications

ECLASS

ECLASS-11.0	27141120

ETIM

ETIM 8.0	EC000897

UNSPSC

UNSPSC 21.0	39121400

Environmental product compliance

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

Phoenix Contact UAB
Svitrigailos str. 11B
03228 Vilnius
+370 5 2106321
balticinfo@phoenixcontact.com