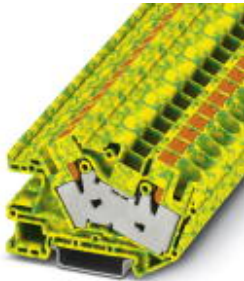


Installation ground terminal block - PTI 16/S-PE - 3214024

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Installation ground terminal block, Push-in connection, Cross section: 0.5 mm² - 16 mm², AWG: 24 - 4, Width: 10.2 mm, Color: green-yellow, Mounting type: NS 35/7,5, NS 35/15

Your advantages

- ✓ Compatible with all Phoenix Contact installation terminal blocks
- ✓ Each terminal point can be clearly labeled and easily recognized in every terminal block mounting position
- ✓ As well as the testing facility in the function shaft, each terminal point has a test contact
- ✓ Compact design tailored to installation distributors
- ✓ The new Push-in connection technology enables easy, direct insertion of solid and stranded conductors with ferrules with a cross section of 0.34 mm² or higher

Key commercial data

package_quantity	50
GTIN	4046356702232

Technical data

General

Number of levels	1
Number of connections	2
Potentials	1
Nominal cross section	10 mm ²
Color	green-yellow
Insulating material	PA
Flammability rating according to UL 94	V0

General

Rated surge voltage	6 kV
Degree of pollution	3
Overvoltage category	III
Insulating material group	I
Open side panel	Yes
Shock protection test specification	DIN EN 50274 (VDE 0660-514):2002-11
Back of the hand protection	guaranteed
Finger protection	guaranteed
Oscillation, broadband noise test result	Test passed

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Technical data

General

Test specification, oscillation, broadband noise	DIN EN 50155 (VDE 0115-200):2008-03
Test spectrum	Service life test category 2, bogie-mounted
Test frequency	$f_1 = 5 \text{ Hz}$ to $f_2 = 250 \text{ Hz}$
ASD level	$6.12 \text{ (m/s}^2\text{)}^2/\text{Hz}$
Acceleration	3.12 g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Shock test result	Test passed
Test specification, shock test	DIN EN 50155 (VDE 0115-200):2008-03
Shock form	Half-sine
Acceleration	30g
Shock duration	18 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	130 °C
Static insulating material application in cold	-60 °C
Behavior in fire for rail vehicles (DIN 5510-2)	Test passed
Flame test method (DIN EN 60695-11-10)	V0
Oxygen index (DIN EN ISO 4589-2)	>32 %
NF F16-101, NF F10-102 Class I	2
NF F16-101, NF F10-102 Class F	2
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
Calorimetric heat release NFPA 130 (ASTM E 1354)	28 MJ/kg
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

Dimensions

Width	10.2 mm
End cover width	2.2 mm
Length	77.7 mm
Height	49.6 mm
Height NS 35/7,5	51.1 mm
Height NS 35/15	58.6 mm

Connection data

Connection method	Push-in connection
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Technical data

Connection data

Connection in acc. with standard	IEC 60947-7-1/IEC 60947-7-2
Conductor cross section solid min.	0.5 mm ²
Conductor cross section solid max.	16 mm ²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	4
Conductor cross section flexible min.	0.5 mm ²
Conductor cross section flexible max.	16 mm ²
Min. AWG conductor cross section, flexible	24
Max. AWG conductor cross section, flexible	4
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.5 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	16 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.5 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	16 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	1.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	4 mm ²
Stripping length	18 mm
Internal cylindrical gage	A6

Standards and Regulations

Connection in acc. with standard	IEC 60947-7-1/IEC 60947-7-2
Flammability rating according to UL 94	V0

Environmental Product Compliance

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

Classifications

eCl@ss

eCl@ss 4.0	27141118
eCl@ss 4.1	27141118
eCl@ss 5.0	27141118
eCl@ss 5.1	27141120
eCl@ss 6.0	27141120
eCl@ss 7.0	27141120
eCl@ss 8.0	27141125
eCl@ss 9.0	27141125

ETIM

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Classifications

ETIM

ETIM 3.0	EC000901
ETIM 4.0	EC000901
ETIM 5.0	EC001329

UNSPSC

UNSPSC 6.01	30211811
UNSPSC 7.0901	39121410
UNSPSC 11	39121410
UNSPSC 12.01	39121410
UNSPSC 13.2	39121410

Approvals

EAC /

Approval details

EAC ENE

Accessories

End cover

D-PTI 16/S - 3214027



Support

AB-PTI 16/S - 3214022



Screwdriver tools

Installation ground terminal block - PTI 16/S-PE - 3214024

Accessories

SZF 3-1,0X5,5 - 1206612



ST-BW - 1207608



Documentation

PT-IL - 3208090



Jumper

FBS 2-10 - 3005947



FBS 5-10 - 3005948



DIN rail

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Accessories

NS 35/ 7,5 PERF 2000MM - 0801733

NS 35/ 7,5 UNPERF 2000MM - 0801681

NS 35/ 7,5 WH PERF 2000MM - 1204119



NS 35/ 7,5 WH UNPERF 2000MM - 1204122



NS 35/ 7,5 AL UNPERF 2000MM - 0801704

NS 35/ 7,5 ZN PERF 2000MM - 1206421



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Accessories

NS 35/ 7,5 ZN UNPERF 2000MM - 1206434



NS 35/ 7,5 CU UNPERF 2000MM - 0801762



NS 35/ 7,5 CAP - 1206560



NS 35/15 PERF 2000MM - 1201730



NS 35/15 UNPERF 2000MM - 1201714



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Accessories

NS 35/15 WH PERF 2000MM - 0806602



NS 35/15 WH UNPERF 2000MM - 1204135



NS 35/15 AL UNPERF 2000MM - 1201756



NS 35/15 ZN PERF 2000MM - 1206599



NS 35/15 ZN UNPERF 2000MM - 1206586



NS 35/15 CU UNPERF 2000MM - 1201895



Installation ground terminal block - PTI 16/S-PE - 3214024

Accessories

NS 35/15 CAP - 1206573



NS 35/15-2,3 UNPERF 2000MM - 1201798



Terminal marking

ZB 10:UNBEDRUCKT - 1053001



UC-TM 10 - 0818069



UCT-TM 10 - 0829142



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Accessories

ZBF10:UNBEDRUCKT - 0809997



UC-TMF 10 - 0818124



UCT-TMF 10 - 0829204



TMT 10 R - 0816210



TMT (EX9,5)R - 0828295



US-TM 100 - 0829255



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Accessories

Labeled terminal marker

ZB 10 CUS - 0824941



ZB10,LGS:FORTL.ZAHLEN - 1053014



ZB10,QR:FORTL.ZAHLEN - 1053027



ZB10,LGS:GLEICHE ZAHLEN - 1053030



ZB10,LGS:L1-N,PE - 1053412



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Accessories

ZB10,LGS:U-N - 1053438



UC-TM 10 CUS - 0824605



UCT-TM 10 CUS - 0829623



ZBF10 CUS - 0825031



ZBF10,LGS:FORTL.ZAHLEN - 0810009



ZBF10,QR:FORTL.ZAHLEN - 0810025



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Accessories

UC-TMF 10 CUS - 0824662



UCT-TMF 10 CUS - 0829679



TMT 10 R CUS - 0824500



Test plug terminal block

MPS-MT - 0201744



Insulating sleeve

MPS-IH WH - 0201663



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Accessories

MPS-IH RD - 0201676



MPS-IH BU - 0201689



MPS-IH YE - 0201692



MPS-IH GN - 0201702



MPS-IH GY - 0201728



MPS-IH BK - 0201731



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Accessories

Planning and marking software

CLIP-PROJECT ADVANCED - 5146040



CLIP-PROJECT PROFESSIONAL - 5146053



End block

CLIPFIX 35 - 3022218



CLIPFIX 35-5 - 3022276



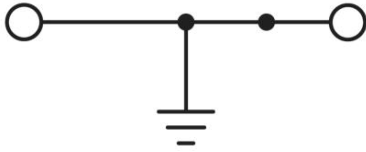
E/NS 35 N - 0800886



Drawings

Installation ground terminal block - PTI 16/S-PE - 3214024

Circuit diagram



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