

Feed-through terminal block - PT 1,5/S - 3208100

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://download.phoenixcontact.com>)



Feed-through terminal block, Connection method: Push-in connection, Cross section: 0.14 mm² - 1.5 mm², AWG: 26 - 14, Width: 3.5 mm, Height: 30.5 mm, Color: gray, Mounting type: NS 35/7,5, NS 35/15

Product Features

- 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
- The compact design and front connection enable wiring in a confined space
- In addition to the testing facility in the double function shaft, all terminal blocks provide an additional test connection
- Tested for railway applications

Key commercial data

package_quantity	50
GTIN	4046356564410

Technical data

General

Number of levels	1
Number of connections	2
Color	gray
Insulating material	PA
Inflammability class according to UL 94	V0
Area of application	Railway industry
Area of application	Mechanical engineering
Area of application	Plant engineering

General

Maximum load current	17.5 A (with 1.5 mm ² conductor cross section)
Rated surge voltage	6 kV
Pollution degree	3
Surge voltage category	III
Insulating material group	I
Connection in acc. with standard	IEC 60947-7-1
Nominal current I _N	17.5 A
Nominal voltage U _N	500 V
Open side panel	ja

Feed-through terminal block - PT 1,5/S - 3208100

Technical data

General

Shock protection test specification	DIN EN 50274 (VDE 0660-514):2002-11
Back of the hand protection	guaranteed
Finger protection	guaranteed
Surge voltage test setpoint	7.3 kV
Result of surge voltage test	Test passed
Power frequency withstand voltage setpoint	1.89 kV
Result of power-frequency withstand voltage test	Test passed
Checking the mechanical stability of terminal points (5 x conductor connection)	Test passed
Bending test rotation speed	10 rpm
Bending test turns	135
Bending test conductor cross section/weight	0,14 mm ² /0,2 kg
Bending test conductor cross section/weight	1.5 mm ² / 0.4 kg
Result of bending test	Test passed
Conductor cross section tensile test	0.14 mm ²
Tractive force setpoint	10 N
Conductor cross section tensile test	1.5 mm ²
Tractive force setpoint	40 N
Tensile test result	Test passed
Tight fit on carrier	NS 35
Setpoint	1 N
Result of tight fit test	Test passed
Requirements, voltage drop	≤ 3.2 mV
Result of voltage drop test	Test passed
Temperature-rise test	Test passed
Conductor cross section short circuit testing	1.5 mm ²
Short-time current	0.18 kA
Short circuit stability result	Test passed
Ageing test for screwless modular terminal block temperature cycles	192
Result of aging test	Test passed
Proof of thermal characteristics (needle flame) effective duration	30 s
Result of thermal test	Test passed
Test specification, oscillation, broadband noise	DIN EN 50155 (VDE 0115-200):2008-03
Test spectrum	Service life test category 1, class B, body mounted
Test frequency	f ₁ = 5 Hz to f ₂ = 150 Hz
ASD level	1.857 (m/s ²) ² /Hz
Acceleration	0.8 g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Oscillation, broadband noise test result	Test passed

Feed-through terminal block - PT 1,5/S - 3208100

Technical data

General

Test specification, shock test	DIN EN 50155 (VDE 0115-200):2008-03
Shock form	Half-sine
Acceleration	5 g
Shock duration	30 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Shock test result	Test passed
Temperature index, insulating material (DIN EN 60216-1 (VDE 0304-21))	130 °C
Static insulating material application in cold	-60 °C

Dimensions

Width	3.5 mm
Length	45 mm
Height	30.5 mm
Height NS 35/7,5	32 mm
Height NS 35/15	39.5 mm

Connection data

Connection in acc. with standard	IEC 60947-7-1
Connection method	Push-in connection
Conductor cross section solid min.	0.14 mm ²
Conductor cross section solid max.	1.5 mm ²
Conductor cross section AWG/kcmil min.	26
Conductor cross section AWG/kcmil max	14
Conductor cross section stranded min.	0.14 mm ²
Conductor cross section stranded max.	1.5 mm ²
Min. AWG conductor cross section, stranded	26
Max. AWG conductor cross section, stranded	14
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.14 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve max.	1.5 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.14 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve max.	1 mm ²
Stripping length	8 mm
Internal cylindrical gage	A1 / B1

classifications

eCl@ss

eCl@ss 4.0	27141121
------------	----------

Feed-through terminal block - PT 1,5/S - 3208100

classifications

eCl@ss

eCl@ss 4.1	27141121
eCl@ss 5.0	27141120
eCl@ss 5.1	27141120
eCl@ss 6.0	27141120
eCl@ss 7.0	27141120
eCl@ss 8.0	27141120

ETIM

ETIM 4.0	EC000897
ETIM 5.0	EC000897

UNSPSC

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

approvals

IECEX / ATEX / UL Recognized / cUL Recognized / GOST / CSA / LR / GL / GOST / NK / VDE Zeichengenehmigung / IEC EE CB Scheme / cULus Recognized /

Approval details

IECEX	
Nominal voltage UN	352 V
Nominal current IN	15 A
mm ² /AWG/kcmil	0.14-1.5

ATEX	
Nominal voltage UN	352 V
Nominal current IN	15 A
mm ² /AWG/kcmil	0.14-1.5

UL Recognized	
----------------------	--

Feed-through terminal block - PT 1,5/S - 3208100

approvals

Usegroups	B	C	D
Nominal voltage UN	300 V	300 V	600 V
Nominal current IN	15 A	15 A	5 A
mm ² /AWG/kcmil	26-14	26-14	26-14

cUL Recognized

Usegroups	B	C	D
Nominal voltage UN	300 V	300 V	600 V
Nominal current IN	15 A	15 A	5 A
mm ² /AWG/kcmil	26-14	26-14	26-14

GOST

CSA

Usegroups	B	C	D
Nominal voltage UN	300 V	300 V	600 V
Nominal current IN	15 A	15 A	5 A
mm ² /AWG/kcmil	26-14	26-14	26-14

LR

GL

NK

VDE Zeichengenehmigung

Nominal voltage UN	500 V
Nominal current IN	17.5 A
mm ² /AWG/kcmil	0.14-1.5

Feed-through terminal block - PT 1,5/S - 3208100

approvals

IECEE CB Scheme	
Nominal voltage UN	500 V
Nominal current IN	
mm ² /AWG/kcmil	0.14-1.5

cULus Recognized	
------------------	--

accessories

Marker carriers

GBS-ZB/26X6 - 0809298



Screwdriver tools

SZF 0-0,4X2,5 - 1204504



Partition plate

ATP-ST 4 - 3030721



End cover

Feed-through terminal block - PT 1,5/S - 3208100

accessories

D-PT 1,5/S - 3208142



Documentation

PT-IL - 3208090



Bridge

FBS 2-3,5 - 3213014



FBS 3-3,5 - 3213027



FBS 4-3,5 - 3213030



Feed-through terminal block - PT 1,5/S - 3208100

accessories

FBS 5-3,5 - 3213043



FBS 10-3,5 - 3213056



FBS 20-3,5 - 3213069



FBS 2-3,5 BU - 3213086



FBS 3-3,5 BU - 3213099



FBS 4-3,5 BU - 3213109



Feed-through terminal block - PT 1,5/S - 3208100

accessories

FBS 5-3,5 BU - 3213112



FBS 10-3,5 BU - 3213125



FBS 20-3,5 BU - 3213138



RB ST (2,5/4)-1,5/S - 3214356



RB ST 6-1,5/S - 3213250



Mounting rail

Feed-through terminal block - PT 1,5/S - 3208100

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



Feed-through terminal block - PT 1,5/S - 3208100

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



Feed-through terminal block - PT 1,5/S - 3208100

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



Feed-through terminal block - PT 1,5/S - 3208100

accessories

NS 35/15 CAP - 1206573



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



Terminal marking

ZB 3,5:UNBEDRUCKT - 0829414



UCT-TM 3,5 - 0829484



ZBF 3,5:UNBEDRUCKT - 0829392



Feed-through terminal block - PT 1,5/S - 3208100

accessories

UCT-TMF 3,5 - 0829486



TMT (EX9,5)R - 0828295



Labeled terminal marker

ZB 3,5 CUS - 0829415



ZB 3,5,LGS:FORTL.ZAHLEN - 0801404



ZB 3,5,QR:FORT.ZAHLEN - 0801405



Feed-through terminal block - PT 1,5/S - 3208100

accessories

UCT-TM 3,5 CUS - 0829581



ZBF 3,5 CUS - 0829394



ZBF 3,5,LGS:FORTL.ZAHLEN - 0801406



ZBF 3,5,QR:FORTL.ZAHLEN - 0801407



UCT-TMF 3,5 CUS - 0829644



Test plug terminal block

Feed-through terminal block - PT 1,5/S - 3208100

accessories

MPS-MT - 0201744



Insulating sleeve

MPS-IH WH - 0201663



MPS-IH RD - 0201676



MPS-IH BU - 0201689



MPS-IH YE - 0201692



Feed-through terminal block - PT 1,5/S - 3208100

accessories

MPS-IH GN - 0201702



MPS-IH GY - 0201728



MPS-IH BK - 0201731



Planning and marking software

CLIP-PROJECT ADVANCED - 5146040



CLIP-PROJECT PROFESSIONAL - 5146053



End block

Feed-through terminal block - PT 1,5/S - 3208100

accessories

E/UK - 1201442



E/UK 1 - 1201413



CLIPFIX 35 - 3022218



CLIPFIX 35-5 - 3022276



E/NS 35 N - 0800886



Front adapter

Feed-through terminal block - PT 1,5/S - 3208100

accessories

VIP-PA-PWR/20XOE/ 1,0M/S7 - 2904724



VIP-PA-PWR/20XOE/ 2,0M/S7 - 2904725



VIP-PA-PWR/20XOE/ 3,0M/S7 - 2904726



VIP-PA-PWR/20XOE/10,0M/S7 - 2904730



VIP-PA-PWR/40XOE/ 1,0M/S7 - 2904731



VIP-PA-PWR/40XOE/ 2,0M/S7 - 2904732



Feed-through terminal block - PT 1,5/S - 3208100

accessories

VIP-PA-PWR/40XOE/ 3,0M/S7 - 2904733



VIP-PA-PWR/40XOE/10,0M/S7 - 2904737



Drawings

Circuit diagram



© Phoenix Contact 2014 - all rights reserved
<http://www.phoenixcontact.com>