Feed-through terminal block - UT 2,5-TWIN - 3044513

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: Screw connection, Cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, Width: 5.2 mm, Color: gray, Mounting type: NS 35/7,5, NS 35/15

Product Features

- The consistent double function shaft offers every opportunity for time-saving potential distribution and accommodating test accessories
- Tested for railway applications
- User-friendly implementation of all potential branching tasks

Key commercial data

package_quantity	50
GTIN	4046356055406

Technical data

General

Note	The max. load current must not be exceeded by the total current of all connected conductors.
Number of levels	1
Number of connections	3
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
Area of application	Process industry

General

Maximum load current	30 A (In case of a 4 mm² conductor cross section, the maximum load current must not be exceeded by the total current of all connected conductors.)
Rated surge voltage	6 kV
Pollution degree	3
Surge voltage category	III

Feed-through terminal block - UT 2,5-TWIN - 3044513

Technical data

General

Insulating material group	I
Connection in acc. with standard	IEC 60947-7-1
Nominal current I_N	24 A
Nominal voltage U_N	500 V
Open side panel	ja
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 mm² / 0.2 kg
Bending test conductor cross section/weight	2.5 mm² / 0.7 kg
Bending test conductor cross section/weight	4 mm² / 0.9 kg
Result of bending test	Test passed
Conductor cross section tensile test	0.14 mm²
Tractive force setpoint	10 N
Conductor cross section tensile test	2.5 mm²
Tractive force setpoint	50 N
Conductor cross section tensile test	4 mm²
Tractive force setpoint	60 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	2.5 mm²
Short-time current	0.3 kA
Conductor cross section short circuit testing	4 mm²
Short-time current	0.48 kA
Short circuit stability result	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

Feed-through terminal block - UT 2,5-TWIN - 3044513

Technical data

General

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
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	5.2 mm
Length	57.8 mm
Height NS 35/7,5	47.5 mm
Height NS 35/15	55 mm

Connection data

Conductor cross section solid min.	0.14 mm²
Conductor cross section solid max.	4 mm²
Conductor cross section AWG/kcmil min.	26
Conductor cross section AWG/kcmil max	12
Conductor cross section stranded min.	0.14 mm²
Conductor cross section stranded max.	4 mm²
Min. AWG conductor cross section, stranded	26
Max. AWG conductor cross section, stranded	12
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.14 mm²
Conductor cross section stranded, with ferrule without plastic sleeve max.	2.5 mm²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.14 mm²
Conductor cross section stranded, with ferrule with plastic sleeve max.	2.5 mm²
2 conductors with same cross section, solid min.	0.14 mm²
2 conductors with same cross section, solid max.	1.5 mm²
2 conductors with same cross section, stranded min.	0.14 mm²

Feed-through terminal block - UT 2,5-TWIN - 3044513

Technical data

Connection data

2 conductors with same cross section, stranded max.	1.5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.14 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	1.5 mm²
Connection method	Screw connection
Stripping length	9 mm
Internal cylindrical gage	A3
Screw thread	M3
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm

classifications

eCl@ss

eCl@ss 4.0	27141120
eCl@ss 4.1	27141120
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 2.0	EC000901
ETIM 3.0	EC000901
ETIM 4.0	EC000901
ETIM 5.0	EC000901

UNSPSC

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

approvals

IECEx / ATEX / CSA / UL Recognized / cUL Recognized / GL / RS / cULus Recognized /

Feed-through terminal block - UT 2,5-TWIN - 3044513

approvals

Approval details

IECEx	
Nominal voltage UN	352 V
Nominal current IN	21 A
mm²/AWG/kcmil	0.14-2.5

ATEX

Nominal voltage UN	352 V
Nominal current IN	25 A
mm²/AWG/kcmil	0.14-4

CSA

Usegroups	B	C
Nominal voltage UN	150 V	150 V
Nominal current IN	20 A	20 A
mm²/AWG/kcmil	26-12	26-12

UL Recognized

Nominal voltage UN	150 V
Nominal current IN	20 A
mm²/AWG/kcmil	26-12

cUL Recognized

Nominal voltage UN	150 V
Nominal current IN	20 A
mm²/AWG/kcmil	26-12

GL

RS

Feed-through terminal block - UT 2,5-TWIN - 3044513

approvals

cULus Recognized

accessories

End cover

DS-UT 2,5/4 - 3047109

D-UT 2,5/4-TWIN - 3047141

DP PS-5 - 3036725

Partition plate

ATP-UT-TWIN - 3047183

Test plug terminal block

Feed-through terminal block - UT 2,5-TWIN - 3044513

accessories

PS-5/2,3MM RD - 3038723

MPS-MT - 0201744

PAI-4-FIX-5/6 BU - 3035975

PAI-4-FIX-5/6 OG - 3035974

PAI-4-FIX-5/6 YE - 3035977

PAI-4-FIX-5/6 RD - 3035976

Feed-through terminal block - UT 2,5-TWIN - 3044513

accessories

PAI-4-FIX-5/6 GN - 3035978

PAI-4-FIX-5/6 BK - 3035980

PAI-4-FIX-5/6 GY - 3035982

PAI-4-FIX-5/6 VT - 3035979

PAI-4-FIX-5/6 BN - 3035981

Feed-through terminal block - UT 2,5-TWIN - 3044513

accessories

PS-5 - 3030983

PS-5/2,3MM RD - 3038723

Screwdriver tools

SZS 0,6X3,5 - 1205053

Marker pen

X-PEN 0,35 - 0811228

Warning label printed

WS UT 2,5 - 3047923

Feed-through terminal block - UT 2,5-TWIN - 3044513

accessories

Bridge

FBS 3-5 - 3030174

FBS 4-5 - 3030187

FBS 5-5 - 3030190

FBS 10-5 - 3030213

FBS 20-5 - 3030226

Feed-through terminal block - UT 2,5-TWIN - 3044513

accessories

FBS 50-5 - 3038930

FBS 2-5 - 3030161

Mounting rail

NS 35/ 7,5 PERF 2000MM - 0801733

NS 35/ 7,5 UNPERF 2000MM - 0801681

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

Feed-through terminal block - UT 2,5-TWIN - 3044513

accessories

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

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

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

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

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

NS 35/ 7,5 CAP - 1206560

Feed-through terminal block - UT 2,5-TWIN - 3044513

accessories

NS 35/15 PERF 2000MM - 1201730

NS 35/15 UNPERF 2000MM - 1201714

NS 35/15 WH PERF 2000MM - 0806602

NS 35/15 WH UNPERF 2000MM - 1204135

NS 35/15 AL UNPERF 2000MM - 1201756

Feed-through terminal block - UT 2,5-TWIN - 3044513

accessories

NS 35/15 ZN PERF 2000MM - 1206599

NS 35/15 ZN UNPERF 2000MM - 1206586

NS 35/15 CU UNPERF 2000MM - 1201895

NS 35/15 CAP - 1206573

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

Terminal marking

Feed-through terminal block - UT 2,5-TWIN - 3044513

accessories

ZB 5 :UNBEDRUCKT - 1050004

UC-TM 5 - 0818108

UCT-TM 5 - 0828734

Labeled terminal marker

ZB 5 CUS - 0824962

UC-TM 5 CUS - 0824581

Feed-through terminal block - UT 2,5-TWIN - 3044513

accessories

UCT-TM 5 CUS - 0829595

Insulating sleeve

MPS-IH WH - 0201663

MPS-IH RD - 0201676

MPS-IH BU - 0201689

MPS-IH YE - 0201692

Feed-through terminal block - UT 2,5-TWIN - 3044513

accessories

MPS-IH GN - 0201702

MPS-IH GY - 0201728

MPS-IH BK - 0201731

End block

CLIPFIX 35 - 3022218

CLIPFIX 35-5 - 3022276

Feed-through terminal block - UT 2,5-TWIN - 3044513

accessories

E/NS 35 N - 0800886

Drawings

Circuit diagram