PHŒNIX CONTACT

Disconnect terminal block - UT 4-TG - 3046142

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Disconnect terminal block, Connection type: Screw connection, Cross section: 0.14 mm² - 6 mm², AWG: 26 - 10, Nominal current: 20 A, Nominal voltage: 500 V, Length: 57.8 mm, Width: 6.2 mm, Color: gray, Assembly: NS 35/7,5, NS 35/15

Why buy this product

☑ Tested for railway applications

Key Commercial Data

Packing unit	50 pc
Minimum order quantity	50 pc
GTIN	4 017918 975579
Weight per Piece (excluding packing)	12.04 g
Custom tariff number	85369010
Country of origin	Germany

Technical data

General

Note	Current and voltage are determined by the plug used.
Number of levels	1
Number of connections	2
Nominal cross section	4 mm²
Color	gray
Insulating material	PA
Flammability rating according to UL 94	V0
Area of application	Railway industry
	Mechanical engineering
	Plant engineering
Rated surge voltage	6 kV
Degree of pollution	3
Overvoltage category	III

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Technical data

General

Insulating material group	I
Connection in acc. with standard	IEC 60947-7-1
Maximum load current	20 A (with 6 mm² conductor cross section)
	20 A (with 6 mm² conductor cross section)
Nominal current I_N	20 A
Nominal voltage U_N	500 V
Open side panel	nein
Shock protection test specification	DIN EN 50274 (VDE 0660-514):2002-11
Back of the hand protection	guaranteed
Finger protection	guaranteed
Result of surge voltage test	Test passed
Surge voltage test setpoint	7.3 kV
Result of power-frequency withstand voltage test	Test passed
Power frequency withstand voltage setpoint	1.89 kV
Result of the test for mechanical stability of terminal points (5 x conductor connection)	Test passed
Result of bending test	Test passed
Bending test rotation speed	10 rpm
Bending test turns	135
Bending test conductor cross section/weight	0.14 mm² / 0.2 kg
	4 mm² / 0.9 kg
	6 mm² / 1.4 kg
Tensile test result	Test passed
Conductor cross section tensile test	0.14 mm²
Tractive force setpoint	10 N
Conductor cross section tensile test	4 mm²
Tractive force setpoint	60 N
Conductor cross section tensile test	6 mm²
Tractive force setpoint	80 N
Result of tight fit on support	Test passed
Tight fit on carrier	NS 35
Setpoint	1 N
Result of voltage-drop test	Test passed
Result of temperature-rise test	Test passed
Short circuit stability result	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
Result of thermal test	Test passed
Proof of thermal characteristics (needle flame) effective duration	30 s

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Technical data

General

Oscillation, broadband noise test result	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	0.02 g²/Hz
Acceleration	0.8g
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	5 g
Shock duration	30 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))	120 °C

Dimensions

Width	6.2 mm
End cover width	2.2 mm
Length	57.8 mm
Height NS 35/7,5	47.5 mm
Height NS 35/15	55 mm

Connection data

Connection method	Screw connection
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section solid min.	0.14 mm²
Conductor cross section solid max.	6 mm²
Conductor cross section AWG min.	26
Conductor cross section AWG max.	10
Conductor cross section flexible min.	0.14 mm²
Conductor cross section flexible max.	6 mm²
Min. AWG conductor cross section, flexible	26
Max. AWG conductor cross section, flexible	10
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.14 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	4 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.14 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	4 mm²
2 conductors with same cross section, solid min.	0.14 mm²

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Technical data

Connection data

2 conductors with same cross section, solid max.	1.5 mm²
2 conductors with same cross section, stranded min.	0.14 mm²
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.	2.5 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
Stripping length	9 mm
Internal cylindrical gage	A4
Screw thread	M3
Tightening torque, min	0.6 Nm
Tightening torque max	0.8 Nm

Standards and Regulations

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

Classifications

eCl@ss

eCl@ss 4.0	27141117
eCl@ss 4.1	27141117
eCl@ss 5.0	27141126
eCl@ss 5.1	27141126
eCl@ss 6.0	27141126
eCl@ss 7.0	27141126
eCl@ss 8.0	27141126

ETIM

ETIM 2.0	EC000902
ETIM 3.0	EC000902
ETIM 4.0	EC000902
ETIM 5.0	EC000902

UNSPSC

UNSPSC 6.01	30211811
UNSPSC 7.0901	39121410
UNSPSC 11	39121410

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Classifications

UNSPSC

UNSPSC 12.01	39121410
UNSPSC 13.2	39121410

Approvals

Approvals
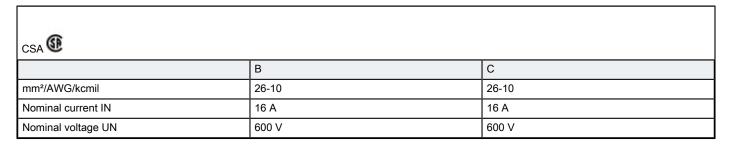
Approvals

CSA / UL Recognized / cUL Recognized / EAC / EAC / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

CSA

	B	C
mm²/AWG/kcmil	26-10	26-10
Nominal current IN	16 A	16 A
Nominal voltage UN	600 V	600 V

UL Recognized

	B	C
mm²/AWG/kcmil	26-10	26-10
Nominal current IN	16 A	16 A
Nominal voltage UN	600 V	600 V

cUL Recognized

	B	C
mm²/AWG/kcmil	26-10	26-10
Nominal current IN	16 A	16 A
Nominal voltage UN	600 V	600 V

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Approvals

EAC

EAC

cULus Recognized

Accessories

Accessories

Bridge

Feed-through connector - P-FIX - 3038956

Feed-through connector, Length: 10.5 mm, Width: 4 mm, Color: gray

Component plug terminal block

Component connector - P-CO - 3036796

Component connector, Nominal current: 6 A, Length: 24.2 mm, Width: 5.2 mm, Height: 33.3 mm, Number of positions: 1, Color: gray

Component connector - P-CO 1N4007/R-L - 3032457

Component connector, Length: 24.2 mm, Width: 5.2 mm, Height: 33.3 mm, Number of positions: 1, Color: gray

Component connector - P-CO 1N4007/L-R - 3032460

Component connector, Length: 24.2 mm, Width: 5.2 mm, Height: 33.3 mm, Number of positions: 1, Color: gray

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Accessories

DIN rail

DIN rail perforated - NS 35/ 7,5 PERF 2000MM - 0801733

DIN rail, material: steel galvanized and passivated with a thick layer, perforated, height 7.5 mm, width 35 mm, length: 2000 mm

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DIN rail, unperforated - NS 35/ 7,5 UNPERF 2000MM - 0801681

DIN rail, material: Steel, unperforated, height 7.5 mm, width 35 mm, length: 2 m

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

DIN rail 35 mm (NS 35)

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

DIN rail 35 mm (NS 35)

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

DIN rail, unperforated, Width: 35 mm, Height: 7.5 mm, Length: 2000 mm, Color: silver

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Accessories

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

DIN rail, material: Galvanized, perforated, height 7.5 mm, width 35 mm, length: 2 m

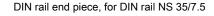DIN rail, unperforated - NS 35/ 7,5 ZN UNPERF 2000MM - 1206434

DIN rail, material: Galvanized, unperforated, height 7.5 mm, width 35 mm, length: 2 m

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

DIN rail, material: Copper, unperforated, height 7.5 mm, width 35 mm, length: 2 m

End cap - NS 35/ 7,5 CAP - 1206560

DIN rail end piece, for DIN rail NS 35/7.5

DIN rail perforated - NS 35/15 PERF 2000MM - 1201730

DIN rail, material: steel galvanized and passivated with a thick layer, perforated, height 15 mm, width 35 mm, length: 2000 mm

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Accessories

DIN rail, unperforated - NS 35/15 UNPERF 2000MM - 1201714

DIN rail, material: Steel, unperforated, height 15 mm, width 35 mm, length: 2 m

DIN rail perforated - NS 35/15 WH PERF 2000MM - 0806602

DIN rail 35 mm (NS 35)

DIN rail - NS 35/15 WH UNPERF 2000MM - 1204135

DIN rail 35 mm (NS 35)

DIN rail, unperforated - NS 35/15 AL UNPERF 2000MM - 1201756

DIN rail, deep drawn, high profile, unperforated, 1.5 mm thick, material: aluminum, height 15 mm, width 35 mm, length 2000 mm

DIN rail perforated - NS 35/15 ZN PERF 2000MM - 1206599

DIN rail, material: Galvanized, perforated, height 15 mm, width 35 mm, length: 2 m

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Accessories

DIN rail, unperforated - NS 35/15 ZN UNPERF 2000MM - 1206586

DIN rail, material: Galvanized, unperforated, height 15 mm, width 35 mm, length: 2 m

DIN rail, unperforated - NS 35/15 CU UNPERF 2000MM - 1201895

DIN rail, material: Copper, unperforated, 1.5 mm thick, height 15 mm, width 35 mm, length: 2 m

End cap - NS 35/15 CAP - 1206573

DIN rail end piece, for DIN rail NS 35/15

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

DIN rail, material: Steel, unperforated, 2.3 mm thick, height 15 mm, width 35 mm, length: 2 m

End block

End clamp - CLIPFIX 35 - 3022218

Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, width: 9.5 mm, color: gray

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Accessories

End clamp - CLIPFIX 35-5 - 3022276

Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, with parking option for FBS...5, FBS...6, KSS 5, KSS 6, width: 5.15 mm, color: gray

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End clamp - E/NS 35 N - 0800886

End clamp, width: 9.5 mm, color: gray

Fuse

Fuse plug - P-FU 5X20 - 3036806

Fuse plug, Nominal current: 6.3 A, Nominal voltage: 500 V, Width: 6.2 mm, Fuse type: G / 5 x 20, Fuse type: Glass, Mounting type: Plug-in mounting, Color: black

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Fuse plug - P-FU 5X20 LED 24 - 3036819

Fuse plug, Nominal current: 6.3 A, Width: 6.2 mm, Fuse type: G / 5 x 20, Fuse type: Glass, Mounting type: Plug-in mounting, Color: black

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Fuse plug - P-FU 5X20 LED 60 - 3036822

Fuse plug, Nominal current: 6.3 A, Width: 6.2 mm, Fuse type: G / 5 x 20, Fuse type: Glass, Mounting type: Plug-in mounting, Color: black

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Disconnect terminal block - UT 4-TG - 3046142

Accessories

Fuse plug - P-FU 5X20 LA 250 - 3036835

Fuse plug, Nominal current: 6.3 A, Width: 6.2 mm, Fuse type: G / 5 x 20, Fuse type: Glass, Mounting type: Plug-in mounting, Color: black

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Fuse plug - P-FU 6,3X32 - 3046498

Fuse plug, Connection method: Plug, Nominal current: 10 A, Nominal voltage: 630 V, Width: 8.2 mm, Fuse type: G / 6,3 x 32, Fuse type: Glass, Mounting type: Plug-in mounting, Color: black

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Fuse plug - P-FU 6,3X32 LED 24 - 3046508

Fuse plug, Connection method: Plug, Nominal current: 10 A, Width: 8.2 mm, Fuse type: G / 6,3 x 32, Fuse type: Glass, Mounting type: Plug-in mounting, Color: black

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Fuse plug - P-FU 6,3X32 LED 60 - 3046511

Fuse plug, Connection method: Plug, Nominal current: 10 A, Width: 8.2 mm, Fuse type: G / 6,3 x 32, Fuse type: Glass, Mounting type: Plug-in mounting, Color: black

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Fuse plug - P-FU 6,3X32 LA 250 - 3046524

Fuse plug, Connection method: Plug, Nominal current: 10 A, Width: 8.2 mm, Fuse type: G / 6,3 x 32, Fuse type: Glass, Mounting type: Plug-in mounting, Color: black

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Jumper

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Accessories

Plug-in bridge - FBS 2-6 - 3030336

Plug-in bridge, Length: 23 mm, Width: 10.7 mm, Number of positions: 2, Color: red

Plug-in bridge - FBS 3-6 - 3030242

Plug-in bridge, Length: 23 mm, Width: 16.9 mm, Number of positions: 3, Color: red

Plug-in bridge - FBS 4-6 - 3030255

Plug-in bridge, Length: 23 mm, Width: 23.1 mm, Number of positions: 4, Color: red

Plug-in bridge - FBS 5-6 - 3030349

Plug-in bridge, Length: 23 mm, Width: 29.3 mm, Number of positions: 5, Color: red

Plug-in bridge - FBS 10-6 - 3030271

Plug-in bridge, Length: 23 mm, Width: 60.3 mm, Number of positions: 10, Color: red

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Accessories

Plug-in bridge - FBS 20-6 - 3030365

Plug-in bridge, Length: 23 mm, Width: 122.3 mm, Number of positions: 20, Color: red

Plug-in bridge - FBS 50-6 - 3032224

Plug-in bridge, Number of positions: 50, Color: red

Plug-in bridge - FBSR 2-6 - 3033715

Plug-in bridge, Number of positions: 2, Color: red

Plug-in bridge - FBSR 3-6 - 3001594

Plug-in bridge, Number of positions: 3, Color: red

Plug-in bridge - FBSR 4-6 - 3001595

Plug-in bridge, Number of positions: 4, Color: red

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Disconnect terminal block - UT 4-TG - 3046142

Accessories

Plug-in bridge - FBSR 5-6 - 3001596

Plug-in bridge, Number of positions: 5, Color: red

Plug-in bridge - FBSR 10-6 - 3033716

Plug-in bridge, Number of positions: 10, Color: red

Knife

Isolating plugs - P-DI - 3036783

Isolating plugs, Length: 10.8 mm, Width: 3.5 mm, Height: 23.1 mm, Color: orange

Isolating plugs - P-DI GY - 3047390

Isolating plugs, Length: 10.8 mm, Width: 3.5 mm, Height: 23.1 mm, Color: gray

Partition plate

Spacer plate - DP PS-6 - 3036738

Spacer plate, Length: 22.4 mm, Width: 6.2 mm, Height: 29 mm, Number of positions: 1, Color: red

Planning and marking software

Disconnect terminal block - UT 4-TG - 3046142

Accessories

Software - CLIP-PROJECT ADVANCED - 5146040

Multilingual software for easy planning of Phoenix Contact on DIN rails together with the integrated TRABTECH-select software module for planning comprehensive surge protection concepts.

Software - CLIP-PROJECT PROFESSIONAL - 5146053

Multi-lingual software for terminal strip project planning. A marking module allows professional labeling of markers and labels for marking terminal blocks, conductors, cables and devices. The additionally integrated software module TRABTECH-select for planning comprehensive surge protection concepts.

Screwdriver tools

Screwdriver - SZS 0,6X3,5 - 1205053

Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

Test plug terminal block

Test plugs - PS-6 - 3030996

Test plugs, Color: red

Test plugs - PS-6/2,3MM RD - 3038736

Test plugs, Color: red

Test socket

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Accessories

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

4 mm test adapter, for terminal blocks with 5.2 mm and 6.2 mm pitch

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

4 mm test adapter, for terminal blocks with 5.2 mm and 6.2 mm pitch

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

4 mm test adapter, for terminal blocks with 5.2 mm and 6.2 mm pitch

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

4 mm test adapter, for terminal blocks with 5.2 mm and 6.2 mm pitch

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

4 mm test adapter, for terminal blocks with 5.2 mm and 6.2 mm pitch

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Accessories

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

4 mm test adapter, for terminal blocks with 5.2 mm and 6.2 mm pitch

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

4 mm test adapter, for terminal blocks with 5.2 mm and 6.2 mm pitch

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

4 mm test adapter, for terminal blocks with 5.2 mm and 6.2 mm pitch

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

4 mm test adapter, for terminal blocks with 5.2 mm and 6.2 mm pitch

Test adapter - PAI-4-FIX-5/6 WH - 3035983

4 mm test adapter, for terminal blocks with 5.2 mm and 6.2 mm pitch

Additional products

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Accessories

Isolating plugs - P-DI - 3036783

Isolating plugs, Length: 10.8 mm, Width: 3.5 mm, Height: 23.1 mm, Color: orange

Feed-through connector - P-FIX - 3038956

Feed-through connector, Length: 10.5 mm, Width: 4 mm, Color: gray

Component connector - P-CO - 3036796

Component connector, Nominal current: 6 A, Length: 24.2 mm, Width: 5.2 mm, Height: 33.3 mm, Number of positions: 1, Color: gray

Component connector - P-CO 1N4007/R-L - 3032457

Component connector, Length: 24.2 mm, Width: 5.2 mm, Height: 33.3 mm, Number of positions: 1, Color: gray

Component connector - P-CO 1N4007/L-R - 3032460

Component connector, Length: 24.2 mm, Width: 5.2 mm, Height: 33.3 mm, Number of positions: 1, Color: gray

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Accessories

Fuse plug - P-FU 5X20 LED 24 - 3036819

Fuse plug, Nominal current: 6.3 A, Width: 6.2 mm, Fuse type: G / 5 x 20, Fuse type: Glass, Mounting type: Plug-in mounting, Color: black

Fuse plug - P-FU 5X20 LED 60 - 3036822

Fuse plug, Nominal current: 6.3 A, Width: 6.2 mm, Fuse type: G / 5 x 20, Fuse type: Glass, Mounting type: Plug-in mounting, Color: black

Fuse plug - P-FU 5X20 LA 250 - 3036835

Fuse plug, Nominal current: 6.3 A, Width: 6.2 mm, Fuse type: G / 5 x 20, Fuse type: Glass, Mounting type: Plug-in mounting, Color: black

Fuse plug - P-FU 6,3X32 - 3046498

Fuse plug, Connection method: Plug, Nominal current: 10 A, Nominal voltage: 630 V, Width: 8.2 mm, Fuse type: G / 6,3 x 32, Fuse type: Glass, Mounting type: Plug-in mounting, Color: black

Fuse plug - P-FU 6,3X32 LED 24 - 3046508

Fuse plug, Connection method: Plug, Nominal current: 10 A, Width: 8.2 mm, Fuse type: G / 6,3 x 32, Fuse type: Glass, Mounting type: Plug-in mounting, Color: black

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Accessories

Fuse plug - P-FU 6,3X32 LED 60 - 3046511

Fuse plug, Connection method: Plug, Nominal current: 10 A, Width: 8.2 mm, Fuse type: G / 6,3 x 32, Fuse type: Glass, Mounting type: Plug-in mounting, Color: black

Fuse plug - P-FU 6,3X32 LA 250 - 3046524

Fuse plug, Connection method: Plug, Nominal current: 10 A, Width: 8.2 mm, Fuse type: G / 6,3 x 32, Fuse type: Glass, Mounting type: Plug-in mounting, Color: black

Drawings

Circuit diagram