Feed-through terminal block - STU 35/ 4X10 - 3033126

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Feed-through terminal block, Connection method: Screw connection, Cross section: 1.5 mm² - 50 mm², AWG: 16 - 1/0, Width: 16.2 mm, Color: gray, Mounting type: NS 35/7,5, NS 35/15

Product Features

- The STU 35/4x10 spring-cage hybrid terminal block is used to divide a 35 mm² supply line into four 10 mm² connections
- Can be consistently bridged to standard terminal blocks in the ST spring-cage terminal block series
- Supplied using a 35 mm² screw connection
- The system-internal distribution is via four spring-cage connections with a nominal cross section of 10 mm²
- The double bridge shaft supports further potential distributions

Key commercial data

package_quantity	25
GTIN	4046356094078

Technical data

General

Number of levels	1
Number of connections	3
Color	gray
Insulating material	PA
Inflammability class according to UL 94	V0

General

Rated surge voltage	8 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	125 A
Nominal voltage U_N	1000 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
Surge voltage test setpoint	9.8 kV

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Technical data

General

Result of surge voltage test	Test passed
Power frequency withstand voltage setpoint	2 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	1.5 mm² / 0.4 kg
Bending test conductor cross section/weight	35 mm² / 6.8 kg
Bending test conductor cross section/weight	50 mm² / 9.5 kg
Result of bending test	Test passed
Conductor cross section tensile test	1.5 mm²
Tractive force setpoint	40 N
Conductor cross section tensile test	35 mm²
Conductor cross section tensile test	50 mm²
Tractive force setpoint	236 N
Tensile test result	Test passed
Tight fit on carrier	NS 35/7.5
Setpoint	10 N
Result of tight fit test	Test passed
Requirements, voltage drop	≤ 1.6 mV
Result of voltage drop test	Test passed
Temperature-rise test	Test passed
Conductor cross section short circuit testing	10 mm²
Short-time current	1.2 kA
Conductor cross section short circuit testing	6 mm²
Short-time current	0.72 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	0.02 g²/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

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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	16.2 mm
Length	86 mm
Height NS 35/7,5	46.8 mm
Height NS 35/15	54.3 mm

Connection data

Connection method	Screw connection
Stripping length	18 mm
Internal cylindrical gage	B9
Tightening torque, min	3.2 Nm
Tightening torque max	3.7 Nm
Conductor cross section solid min.	1.5 mm²
Conductor cross section solid max.	50 mm²
Conductor cross section stranded min.	1.5 mm²
Conductor cross section stranded max.	35 mm²
Conductor cross section AWG/kcmil min.	16
Conductor cross section AWG/kcmil max	1/0
Conductor cross section stranded, with ferrule without plastic sleeve min.	1.5 mm²
Value	1.5 mm²
Conductor cross section stranded, with ferrule without plastic sleeve max.	35 mm²
Value	35 mm²
Conductor cross section stranded, with ferrule with plastic sleeve min.	1.5 mm²
Value	1.5 mm²
Conductor cross section stranded, with ferrule with plastic sleeve max.	35 mm²
Value	35 mm²
2 conductors with same cross section, solid min.	1.5 mm²
2 conductors with same cross section, solid max.	16 mm²
2 conductors with same cross section, stranded min.	1.5 mm²

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Connection data

2 conductors with same cross section, stranded max.	10 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	1.5 mm²
Value	1.5 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	10 mm²
Value	10 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	1.5 mm²
Value	1.5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	10 mm²
Value	10 mm²

Connection data

Connection method	Spring-cage connection
Stripping length	12 mm
Conductor cross section solid min.	0.2 mm²
Conductor cross section solid max.	10 mm²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	8
Conductor cross section stranded min.	0.2 mm²
Conductor cross section stranded max.	6 mm²
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 mm²
Value	0.25 mm²
Conductor cross section stranded, with ferrule without plastic sleeve max.	6 mm²
Value	6 mm²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.25 mm²
Value	0.25 mm²
Conductor cross section stranded, with ferrule with plastic sleeve max.	6 mm²
Value	6 mm²
Conductor cross section stranded, with TWIN ferrule min.	0.25 mm²
Value	0.25 mm²
Conductor cross section stranded, with TWIN ferrule max.	1.5 mm²
Value	1.5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm²
Value	0.5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1.5 mm²
Value	1.5 mm²

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Technical data

classifications

eCl@ss

eCl@ss 4.0	27141121
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 2.0	EC000897
ETIM 3.0	EC000897
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

UL Recognized /

Approval details

UL Recognized

Usegroups	**B**	**C**
Nominal voltage UN	600 V	600 V
Nominal current IN	115 A	115 A
mm²/AWG/kcmil	14-2	14-2

accessories

Pick-off terminal block

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accessories

AGK 4-UT 35 - 3047138

Screwdriver tools

SZF 3-1,0X5,5 - 1206612

Marker pen

X-PEN 0,35 - 0811228

Documentation

ST-IL - 3039900

Bridge

FBS 2-8 - 3030284

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accessories

FBS 3-8 - 3030297

FBS 4-8 - 3030307

FBS 5-8 - 3030310

FBS 10-8 - 3030323

RB ST 6-(2,5/4) - 3030860

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accessories

FBSRH 2-8 - 3033802

FBSRH 3-8 - 3033803

FBSRH 4-8 - 3033804

Mounting rail

NS 35/ 7,5 PERF 2000MM - 0801733

NS 35/ 7,5 UNPERF 2000MM - 0801681

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accessories

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

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

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

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NS 35/ 7,5 CAP - 1206560

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

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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

NS 35/15 CAP - 1206573

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

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accessories

Terminal marking

ZB 15:UNBEDRUCKT - 0811972

Labeled terminal marker

ZB 15 CUS - 0824945

Test plug terminal block

MPS-MT - 0201744

PS-6 - 3030996

PS-6/2,3MM RD - 3038736

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accessories

PAI-4-FIX BU - 3032729

PAI-4-FIX OG - 3034455

PAI-4-FIX YE - 3032745

PAI-4-FIX RD - 3032732

PAI-4-FIX GN - 3032758

PAI-4-FIX BK - 3032774

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accessories

PAI-4-FIX GY - 3032790

PAI-4-FIX VT - 3032761

PAI-4-FIX BN - 3032787

Insulating sleeve

MPS-IH WH - 0201663

MPS-IH RD - 0201676

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accessories

MPS-IH BU - 0201689

MPS-IH YE - 0201692

MPS-IH GN - 0201702

MPS-IH GY - 0201728

MPS-IH BK - 0201731

End cover

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accessories

DP PS-6 - 3036738

End block

CLIPFIX 35 - 3022218

CLIPFIX 35-5 - 3022276

E/NS 35 N - 0800886

E/UK - 1201442

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accessories

E/UK 1 - 1201413

Drawings

Circuit diagram