

Double-level spring-cage terminal block - STTBS 2,5 - 3038464

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>)



Double-level spring-cage terminal block, Cross section: 0.08 mm² - 4 mm², AWG: 28 - 12, Connection type: Spring-cage connection, Width: 5.2 mm, Color: gray, Mounting type: NS 35/7,5, NS 35/15

Product Features

- Two large-surface labeling options



Key commercial data

package_quantity	50
GTIN	4017918902162

Technical data

General

Number of levels	2
Number of connections	4
Color	gray
Insulating material	PA
Inflammability class according to UL 94	V0

General

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	22 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

Double-level spring-cage terminal block - STTBS 2,5 - 3038464

Technical data

General

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	0.08 mm ² / 0.1 kg
Bending test conductor cross section/weight	2.5 mm ² / 0.7 kg
Bending test conductor cross section/weight	4 mm ² / 0.9 kg
Result of bending test	Test passed
Conductor cross section tensile test	0.08 mm ²
Tractive force setpoint	5 N
Conductor cross section tensile test	2.5 mm ²
Tractive force setpoint	50 N
Conductor cross section tensile test	4 mm ²
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 mm ²
Short-time current	0.3 kA
Conductor cross section short circuit testing	4 mm ²
Short-time current	0.48 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 frequency	5 - 150 Hz
Acceleration	5 g (25 - 150 Hz)
Test duration per axis	2 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	Semi-sinusoidal

Double-level spring-cage terminal block - STTBS 2,5 - 3038464

Technical data

General

Acceleration	5 g
Shock duration	50 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))	125 °C
Static insulating material application in cold	-60 °C

Dimensions

Width	5.2 mm
Length	78 mm
Height NS 35/7,5	55 mm
Height NS 35/15	62.5 mm

Connection data

Connection method	Spring-cage connection
Conductor cross section solid min.	0.08 mm ²
Conductor cross section solid max.	4 mm ²
Conductor cross section stranded min.	0.08 mm ²
Conductor cross section stranded max.	2.5 mm ²
Conductor cross section AWG/kcmil min.	28
Conductor cross section AWG/kcmil max	12
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.14 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve max.	2.5 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.	2.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	0.5 mm ²
Stripping length	10 mm
Internal cylindrical gage	A3

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

Double-level spring-cage terminal block - STTBS 2,5 - 3038464

classifications

eCl@ss

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

ATEX / IECEx / CSA / UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / LR / GL / BV / DNV / RS / ABS / KR / NK / IECCEB Scheme / VDE Gutachten mit Fertigungsüberwachung / IECCEB Scheme / GOST / GOST / cULus Recognized /

Approval details

Nominal voltage UN	440 V
Nominal current IN	19.5 A
mm ² /AWG/kcmil	0.08-2.5

IECEx	
Nominal voltage UN	440 V
Nominal current IN	19.5 A
mm ² /AWG/kcmil	0.08-2.5

Usegroups	B	C
Nominal voltage UN	300 V	300 V
Nominal current IN	20 A	20 A

Double-level spring-cage terminal block - STTBS 2,5 - 3038464

approvals

Usegroups	B	C
mm ² /AWG/kcmil	28-12	28-12

UL Recognized

Usegroups	B	C	D
Nominal voltage UN	300 V	300 V	600 V
Nominal current IN	20 A	20 A	5 A
mm ² /AWG/kcmil	28-12	28-12	28-12

VDE Gutachten mit Fertigungsüberwachung

Nominal voltage UN	500 V
Nominal current IN	24 A
mm ² /AWG/kcmil	0.2-2.5

cUL Recognized

Usegroups	B	C	D
Nominal voltage UN	300 V	300 V	600 V
Nominal current IN	20 A	20 A	5 A
mm ² /AWG/kcmil	28-12	28-12	28-12

LR

GL

BV

DNV

RS

ABS

KR

NK

Double-level spring-cage terminal block - STTBS 2,5 - 3038464

approvals

IECEE CB Scheme	
Nominal voltage UN	500 V
Nominal current IN	24 A
mm ² /AWG/kcmil	0.2-2.5

Nominal voltage UN	500 V
Nominal current IN	24 A
mm ² /AWG/kcmil	0.2-2.5

Nominal voltage UN	500 V
Nominal current IN	
mm ² /AWG/kcmil	2.5

--	--

--	--

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

accessories

End cover

Double-level spring-cage terminal block - STTBS 2,5 - 3038464

accessories

D-STTBS 2,5 - 3038503



DP PS-5 - 3036725



Screwdriver tools

SZF 1-0,6X3,5 - 1204517



Labeled terminal marker

WST 2,5 - 3030941



ZB 5 CUS - 0824962



Double-level spring-cage terminal block - STTBS 2,5 - 3038464

accessories

ZB 5,LGS:FORTL.ZAHLEN - 1050017



ZB 5,QR:FORTL.ZAHLEN - 1050020



ZB 5,LGS:GLEICHE ZAHLEN - 1050033



ZB 5,LGS:L1-N,PE - 1050415



UC-TM 5 CUS - 0824581



UCT-TM 5 CUS - 0829595



Double-level spring-cage terminal block - STTBS 2,5 - 3038464 accessories

ZBF 5 CUS - 0825025



ZBF 5,LGS:FORTL.ZAHLEN - 0808671



ZBF 5,QR:FORTL.ZAHLEN - 0808697



ZBF 5,LGS:GERADE ZAHLEN - 0810821



ZBF 5,LGS:UNGERADE ZAHLEN - 0810863



Double-level spring-cage terminal block - STTBS 2,5 - 3038464

accessories

UC-TMF 5 CUS - 0824638



UCT-TMF 5 CUS - 0829658



Documentation

ST-IL - 3039900



Bridge

FBS 20-5 - 3030226



FBS 10-5 - 3030213



Double-level spring-cage terminal block - STTBS 2,5 - 3038464

accessories

FBS 5-5 - 3030190



FBS 4-5 - 3030187



FBS 3-5 - 3030174



FBS 2-5 - 3030161



FBS 50-5 - 3038930



FBSR 2-5 - 3033702



Double-level spring-cage terminal block - STTBS 2,5 - 3038464

accessories

FBSR 3-5 - 3001591



FBSR 4-5 - 3001592



FBSR 5-5 - 3001593



FBSR 10-5 - 3033710



Mounting rail

NS 35/ 7,5 PERF 2000MM - 0801733



Double-level spring-cage terminal block - STTBS 2,5 - 3038464

accessories

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



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



Double-level spring-cage terminal block - STTBS 2,5 - 3038464

accessories

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



NS 35/15 WH PERF 2000MM - 0806602



Double-level spring-cage terminal block - STTBS 2,5 - 3038464

accessories

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



NS 35/15 CAP - 1206573



Double-level spring-cage terminal block - STTBS 2,5 - 3038464

accessories

Terminal marking

ZB 5 :UNBEDRUCKT - 1050004



UC-TM 5 - 0818108



UCT-TM 5 - 0828734



ZBF 5:UNBEDRUCKT - 0808642



UC-TMF 5 - 0818153



Double-level spring-cage terminal block - STTBS 2,5 - 3038464

accessories

UCT-TMF 5 - 0828744



Insulating sleeve

ISH 2,5/0,2 - 3002843



ISH 2,5/0,5 - 3002856



ISH 2,5/1,0 - 3002869



Test plug terminal block

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



Double-level spring-cage terminal block - STTBS 2,5 - 3038464

accessories

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



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



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



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



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



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



Double-level spring-cage terminal block - STTBS 2,5 - 3038464

accessories

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



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



PS-5 - 3030983



PS-5/2,3MM RD - 3038723



End block

CLIPFIX 35 - 3022218



Double-level spring-cage terminal block - STTBS 2,5 - 3038464

accessories

CLIPFIX 35-5 - 3022276



E/NS 35 N - 0800886



E/UK - 1201442



E/UK 1 - 1201413



Drawings

Double-level spring-cage terminal block - STTBS 2,5 - 3038464

Circuit diagram



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