

Feed-through terminal block - ST 4-HEDI - 3035140

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: Spring-cage connection, Cross section: 0.08 mm² - 6 mm², AWG: 28 - 10, Width: 6.2 mm, Color: Black/orange, Mounting type: NS 35/7,5, NS 35/15

Product Features

- ✓ An extremely compact design
- ✓ Test connection on both sides in safety lever

Key commercial data

package_quantity	50
GTIN	4017918975272

Technical data

General

Number of levels	1
Number of connections	2
Color	Black/orange
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	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
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

Feed-through terminal block - ST 4-HEDI - 3035140

Technical data

General

Checking the mechanical stability of terminal points (5 x conductor connection)	Test passed
Bending test rotation speed	10 (+/- 2) rpm
Bending test turns	135
Bending test conductor cross section/weight	0.08 mm ² / 0.1 kg
Bending test conductor cross section/weight	4 mm ² / 0.9 kg
Bending test conductor cross section/weight	6 mm ² / 1.4 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	60 N
Conductor cross section tensile test	6 mm ²
Tractive force setpoint	80 N
Tensile test result	Test passed
Tight fit on carrier	NS 35
Setpoint	1 N
Result of tight fit test	Test passed
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
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
Temperature index, insulating material (DIN EN 60216-1 (VDE 0304-21))	120 °C

Dimensions

Width	6.2 mm
Length	61.5 mm
Height NS 35/7,5	62.5 mm
Height NS 35/15	70 mm

Connection data

Conductor cross section solid min.	0.08 mm ²
Conductor cross section solid max.	6 mm ²
Conductor cross section stranded min.	0.08 mm ²
Conductor cross section stranded max.	4 mm ²
Conductor cross section AWG/kcmil min.	28

Feed-through terminal block - ST 4-HEDI - 3035140

Technical data

Connection data

Conductor cross section AWG/kcmil max	10
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.14 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve max.	4 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.	4 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1 mm ²
Connection method	Spring-cage connection
Minimum stripping length	8 mm
Maximum stripping length	10 mm
Internal cylindrical gage	A4

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
UNSPSC 12.01	39121410
UNSPSC 13.2	39121410

approvals

Feed-through terminal block - ST 4-HEDI - 3035140

approvals

Approval details

GL

RS

accessories

Bridge

VS - 3004207



FBS 2-6 - 3030336



FBS 3-6 - 3030242



FBS 4-6 - 3030255



Feed-through terminal block - ST 4-HEDI - 3035140

accessories

FBS 5-6 - 3030349



FBS 10-6 - 3030271



FBS 20-6 - 3030365



FBSR 2-6 - 3033715



FBSR 10-6 - 3033716



Partition plate

Feed-through terminal block - ST 4-HEDI - 3035140

accessories

ATP-ST 4 - 3030721



Screwdriver tools

SZF 1-0,6X3,5 - 1204517



Marker pen

X-PEN 0,35 - 0811228



Documentation

ST-IL - 3039900



Mounting rail

NS 35/ 7,5 PERF 2000MM - 0801733



Feed-through terminal block - ST 4-HEDI - 3035140

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



Feed-through terminal block - ST 4-HEDI - 3035140

accessories

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



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



NS 35/ 7,5 CAP - 1206560



Terminal marking

ZB 5 :UNBEDRUCKT - 1050004



UC-TM 5 - 0818108



Feed-through terminal block - ST 4-HEDI - 3035140

accessories

UCT-TM 5 - 0828734



Labeled terminal marker

ZB 5 CUS - 0824962



UC-TM 5 CUS - 0824581



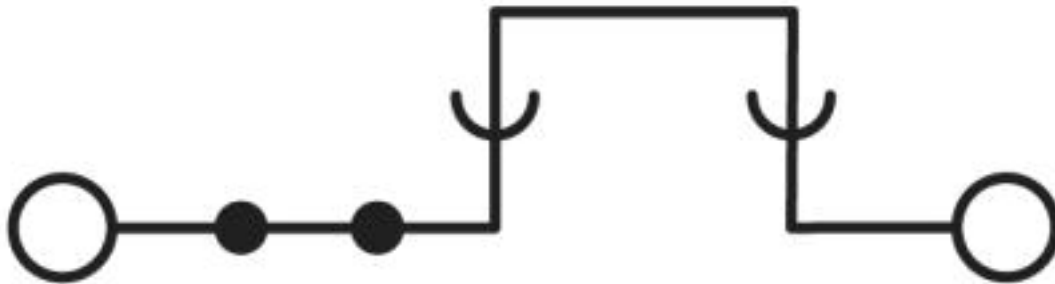
UCT-TM 5 CUS - 0829595



Drawings

Feed-through terminal block - ST 4-HEDI - 3035140

Circuit diagram



© Phoenix Contact 2013 - all rights reserved
<http://www.phoenixcontact.com>