

Power terminal block - STIO-IN 2,5/3-PE OG - 3209086

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Power terminal block, Connection method: Spring-cage connection, Cross section: 0.08 mm² - 4 mm², AWG: 28 - 12, Width: 10.4 mm, Color: orange, Mounting type: NS 35/7,5, NS 35/15

Product Features

- ✓ Three-conductor output terminal block of the same shape with PE connection in the lower level for wiring actuators
- ✓ Power terminal blocks can be located at any point on the terminal strip for supply or extension purposes
- ✓ Versions with LED for indicating the switching states
- ✓ Easy bridging and potential distribution using the patented plug-in bridges from the CLIPLINE complete system
- ✓ The upper level is for signal wiring, whereas the two lower levels are used to distribute the positive and negative potential
- ✓ For space and time-saving wiring of three-conductor initiators and actuators
- ✓ Potential is supplied via the STIO-IN power terminal blocks

Key commercial data

package_quantity	25
GTIN	4046356143288

Technical data

General

Number of levels	3
Number of connections	4
Color	orange
Insulating material	PA
Inflammability class according to UL 94	V0

General

Rated surge voltage	4 kV
Pollution degree	3
Surge voltage category	III
Insulating material group	I
Connection in acc. with standard	IEC 60947-7-1 / IEC 60947-7-2
Nominal current I _N	18 A (For central infeed and 4 mm ² conductor cross section)
Nominal current I _N	18 A (For single-sided infeed and 2.5 mm ² conductor cross section)
Nominal voltage U _N	250 V
Open side panel	nein

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Technical data

General

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	4.8 kV
Result of surge voltage test	Test passed
Power frequency withstand voltage setpoint	1.5 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
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
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	10.4 mm
Length	75 mm
Height NS 35/7,5	44.5 mm

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Technical data

Dimensions

Height NS 35/15	52 mm
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Connection data

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
Connection method	Spring-cage connection
Stripping length	10 mm
Internal cylindrical gage	A3

classifications

eCl@ss

eCl@ss 4.0	27141118
eCl@ss 4.1	27141118
eCl@ss 5.0	27141118
eCl@ss 5.1	27141118
eCl@ss 6.0	27141128
eCl@ss 7.0	27141128
eCl@ss 8.0	27141128

ETIM

ETIM 2.0	EC000900
ETIM 3.0	EC000900
ETIM 4.0	EC000900
ETIM 5.0	EC000900

UNSPSC

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

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classifications

UNSPSC

UNSPSC 13.2	39121410
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approvals

UL Recognized / cUL Recognized / GOST / GOST / cULus Recognized /

Approval details

UL Recognized 			
Usegroups	B	C	D
Nominal voltage UN	300 V	150 V	300 V
Nominal current IN	10 A	20 A	10 A
mm²/AWG/kcmil	28-12	28-12	28-12

cUL Recognized 			
Usegroups	B	C	D
Nominal voltage UN	300 V	150 V	300 V
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GOST 			
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cULus Recognized 			
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accessories

End cover

Power terminal block - STIO-IN 2,5/3-PE OG - 3209086

accessories

D-STIO 2,5/3 - 3209112



Documentation

ST-IL - 3039900



Bridge

FBS 2-5 - 3030161



FBS 3-5 - 3030174



FBS 4-5 - 3030187



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accessories

FBS 5-5 - 3030190



FBS 10-5 - 3030213



FBS 20-5 - 3030226



FBS 50-5 - 3038930



FBS 2-5 BU - 3036877



FBS 3-5 BU - 3036880



Power terminal block - STIO-IN 2,5/3-PE OG - 3209086

accessories

FBS 4-5 BU - 3036893



FBS 5-5 BU - 3036903



FBS 10-5 BU - 3036916



FBS 20-5 BU - 3036929



FBS 50-5 BU - 3032114



Power terminal block - STIO-IN 2,5/3-PE OG - 3209086

accessories

FBS 2-5 GY - 3038969



FBS 3-5 GY - 3038972



FBS 4-5 GY - 3038985



FBS 5-5 GY - 3038998



FBS 10-5 GY - 3039007



FBS 20-5 GY - 3038671



Power terminal block - STIO-IN 2,5/3-PE OG - 3209086

accessories

FBS 50-5 GY - 3032127



Mounting rail

NS 35/ 7,5 PERF 2000MM - 0801733



NS 35/ 7,5 UNPERF 2000MM - 0801681



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



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



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accessories

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



Terminal marking

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accessories

ZB 5 :UNBEDRUCKT - 1050004



UC-TM 5 - 0818108



UCT-TM 5 - 0828734



ZBF 5:UNBEDRUCKT - 0808642



UC-TMF 5 - 0818153



UCT-TMF 5 - 0828744



Power terminal block - STIO-IN 2,5/3-PE OG - 3209086

accessories

Labeled terminal marker

ZB 5 CUS - 0824962



UC-TM 5 CUS - 0824581



UCT-TM 5 CUS - 0829595



ZBF 5 CUS - 0825025



UC-TMF 5 CUS - 0824638



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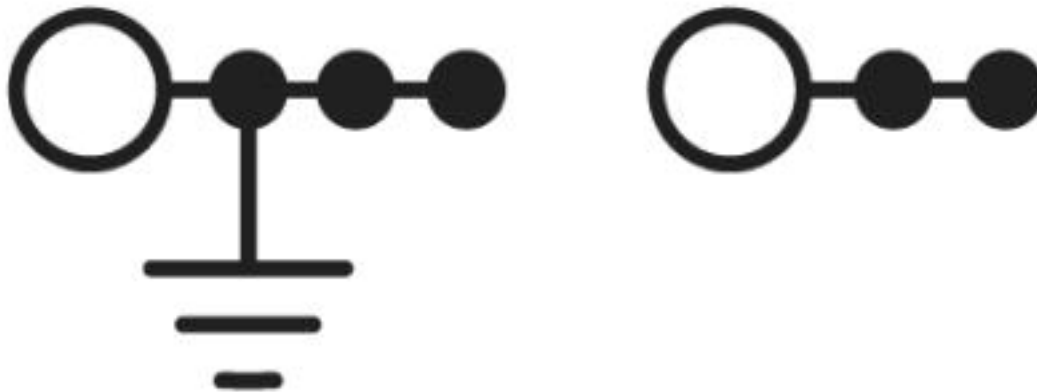
accessories

UCT-TMF 5 CUS - 0829658



Drawings

Circuit diagram



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