

Spring-cage feed-through terminal block - ST 35 - 3036178

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Spring-cage feed-through terminal block, Connection method: Spring-cage connection, Cross section: 2.5 mm² - 35 mm², AWG: 14 - 2, Width: 16 mm, Color: gray, Mounting type: NS 35/7,5, NS 35/15

Product Features

- ✓ The double bridge shaft not only enables individual chain bridging, but also reducing bridging to spring-cage terminal blocks with smaller cross sections
- ✓ The flexible options for reducing bridging in the CLIPLINE complete system can be found in "Accessories for the CLIPLINE complete modular terminal block system"



Key commercial data

package_quantity	10
GTIN	4017918821043

Technical data

General

Number of levels	1
Number of connections	2
Color	gray
Insulating material	PA
Inflammability class according to UL 94	V0

General

Maximum load current	125 A (with 35 mm ² conductor cross section)
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

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Technical data

General

Surge voltage test setpoint	9.8 kV
Result of surge voltage test	Test passed
Power frequency withstand voltage setpoint	2.2 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	2.5 mm ² / 0.7 kg
Bending test conductor cross section/weight	35 mm ² / 6.8 kg
Result of bending test	Test passed
Conductor cross section tensile test	2.5 mm ²
Tractive force setpoint	50 N
Conductor cross section tensile test	35 mm ²
Tractive force setpoint	190 N
Tensile test result	Test passed
Tight fit on carrier	NS 35
Setpoint	10 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	35 mm ²
Short-time current	4.2 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))	130 °C
Static insulating material application in cold	-60 °C

Dimensions

Width	16 mm
Length	100 mm
Height NS 35/7,5	59 mm
Height NS 35/15	66.5 mm

Connection data

Note	The supply from the ST 35 terminal block to the ST 16 TWIN terminal block with the RB-ST 35 reducing bridge is single-sided
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Technical data

Connection data

	only. In the case of a central supply, the D-ST 16-TWIN cover cannot be bridged via the reducing bridge.
Conductor cross section solid min.	2.5 mm ²
Conductor cross section solid max.	35 mm ²
Conductor cross section AWG/kcmil min.	14
Conductor cross section AWG/kcmil max	2
Conductor cross section stranded min.	2.5 mm ²
Conductor cross section stranded max.	35 mm ²
Min. AWG conductor cross section, stranded	14
Max. AWG conductor cross section, stranded	2
Conductor cross section stranded, with ferrule without plastic sleeve min.	2.5 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve max.	35 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve min.	2.5 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve max.	35 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	2.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	10 mm ²
Connection method	Spring-cage connection
Stripping length	25 mm
Internal cylindrical gage	A8

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
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classifications

UNSPSC

UNSPSC 7.0901	39121410
UNSPSC 11	39121410
UNSPSC 12.01	39121410
UNSPSC 13.2	39121410

approvals

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

Approval details

IECEx	
Nominal voltage UN	690 V
Nominal current IN	108 A
mm²/AWG/kcmil	2.5-35

ATEX 	
Nominal voltage UN	690 V
Nominal current IN	108 A
mm²/AWG/kcmil	2.5-35

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

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

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approvals

VDE Gutachten mit Fertigungsüberwachung 	
Nominal voltage UN	1000 V
Nominal current IN	125 A
mm²/AWG/kcmil	2.5-35

cUL 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

GOST 
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LR

GL	
Nominal voltage UN	800 V
Nominal current IN	125 A
mm²/AWG/kcmil	35

BV

DNV

RS

KR

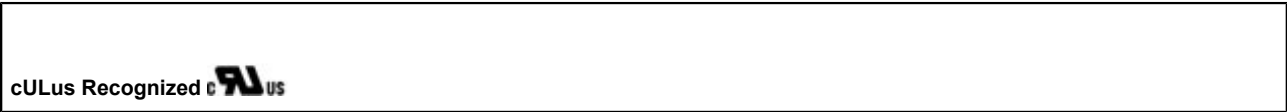
NK

IECEE CB Scheme 

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approvals

Nominal voltage UN	1000 V
Nominal current IN	
mm²/AWG/kcmil	35



accessories

Screwdriver tools

SZF 3-1,0X5,5 - 1206612



Test plug terminal block

PAI-ST 35/1000MM - 3029994



MPS-MT - 0201744



Documentation

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accessories

ST-IL - 3039900



Bridge

FBS 2-16 - 3005963



RB ST 35-(2,5/4) - 3030899



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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accessories

NS 35/ 7,5 CAP - 1206560



Terminal marking

ZB 16:UNPRINTED - 0827461



UC-TM 16 - 0819217



UCT-TM 16 - 0829146



ZBF 16:UNPRINTED - 0827464



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accessories

UC-TMF 16 - 0819262



UCT-TMF 16 - 0829218



Labeled terminal marker

ZB 16 CUS - 0827463



UC-TM 16 CUS - 0824621



UCT-TM 16 CUS - 0829637



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accessories

ZBF 16 CUS - 0827465



UC-TMF 16 CUS - 0824678



UCT-TMF 16 CUS - 0829693



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



Planning and marking software

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accessories

CLIP-PROJECT ADVANCED - 5146040



CLIP-PROJECT PROFESSIONAL - 5146053



Drawings

Circuit diagram



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