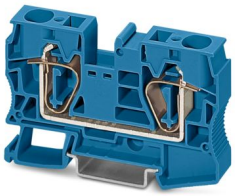
ST 16 BU - Feed-through terminal block

3036152

https://www.phoenixcontact.com/de/produkte/3036152

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Feed-through terminal block, nom. voltage: 1000 V, nominal current: 76 A, number of connections: 2, connection method: Spring-cage connection, Rated cross section: 16 mm^2, cross section: 0.2 mm^2 - 25 mm^2, mounting type: NS 35/7,5, NS 35/15, color: blue

Your advantages

- 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"

Technical data

Product properties

Product type	Feed-through terminal block
Number of connections	2
Number of rows	1
Potentials	1

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	8 kV
Maximum power dissipation for nominal condition	2.43 W

Connection data

Number of connections per level	2
Nominal cross section	16 mm²
Stripping length	18 mm
Internal cylindrical gage	A7
	B6
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section rigid	0.2 mm² ... 25 mm²
Cross section AWG	24 ... 4 (converted acc. to IEC)
Conductor cross section flexible	0.2 mm² ... 16 mm²
Conductor cross section, flexible [AWG]	24 ... 6 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.25 mm² ... 16 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	0.25 mm² ... 16 mm²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	1.5 mm² ... 4 mm²
Nominal current	76 A
Maximum load current	90 A (with 25 mm² conductor cross section)
Nominal voltage	1000 V
Nominal cross section	16 mm²

Ex data

Rated data (ATEX/IECEx)

Identification	Ⓔx II 2 GD Ex eb IIC Gb
Operating temperature range	-60 °C ... 110 °C
Ex-certified accessories	3036657 D-ST 16
	1206612 SZF 3-1,0X5,5
	3022276 CLIPFIX 35-5
	3022218 CLIPFIX 35

List of bridges	Plug-in bridge / FBS 2-12 / 3005950
Bridge data	60 A / 16 mm²
Ex temperature increase	40 K (71.3 A / 16 mm²)
Rated voltage	550 V
for bridging with bridge	550 V
Rated insulation voltage	500 V
output	(Permanent)

Ex level General

Rated current	64.5 A
Maximum load current	81.5 A
Contact resistance	0.34 mΩ

Ex connection data General

Nominal cross section	16 mm²
Rated cross section AWG	6
Connection capacity rigid	1.5 mm² ... 25 mm²
Connection capacity AWG	16 ... 4
Connection capacity flexible	1.5 mm² ... 16 mm²
Connection capacity AWG	16 ... 6

Dimensions

Width	12.2 mm
End cover width	2.2 mm
Height	80 mm
Depth on NS 35/7,5	51.5 mm
Depth on NS 35/15	59 mm

Material specifications

Color	blue
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA
Static insulating material application in cold	-60 °C
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Fire protection for rail vehicles (DIN EN 45545-2) R22	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R23	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R24	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R26	HL 1 - HL 3
Surface flammability NFPA 130 (ASTM E 162)	passed
Specific optical density of smoke NFPA 130 (ASTM E 662)	passed
Smoke gas toxicity NFPA 130 (SMP 800C)	passed

Mechanical properties

Mechanical data

Open side panel	Yes

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-60 °C ... 110 °C (Operating temperature range incl. self-heating; for max. short-term operating temperature, see RTI Elec.)
Ambient temperature (storage/transport)	-25 °C ... 60 °C (for a short time, no longer than 24 h, -60°C to +70°C)
Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C
Permissible humidity (operation)	20 % ... 90 %
Permissible humidity (storage/transport)	30 % ... 70 %

Standards and regulations

Connection in acc. with standard	IEC 60947-7-1

Mounting

Mounting type	NS 35/7,5
	NS 35/15

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