USIG MIT ST-SI - Fuse modular terminal block

5022106

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Fuse modular terminal block, with fuse plug, fuse type: Glass / ceramics / ..., fuse type: G / 5 x 20 / 5 x 25 / 5 x 30 / 6.3 x 32, nom. voltage: 500 V, nominal current: 10 A, connection method: Screw connection, 1 level, Rated cross section: 1.5 mm^2, cross section: 0.5 mm^2 - 16 mm^2, mounting type: NS 35/7,5, NS 35/15, NS 32, color: black

Commercial data

Item number	5022106
Packing unit	50 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	*****
Product key	BE1234
GTIN	4017918285821
Weight per piece (including packing)	36.53 g
Weight per piece (excluding packing)	36.28 g
Customs tariff number	85363010
Country of origin	PL

Technical data

Product properties

Product type	Fuse terminal block
Number of connections	2
Number of rows	1
Potentials	1

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Fuse type	Glass / ceramics / ...
Rated surge voltage	6 kV
Maximum power dissipation for nominal condition	2.43 W
Fuse	G / 5 x 20 / 5 x 25 / 5 x 30 / 6.3 x 32
Maximum power dissipation	max. 2.5 W (with single arrangement of the fuse terminal block in the event of overload)
	max. 2.5 W (With interconnected arrangement of several fuse terminal blocks in the event of overload)
	max. 4 W (with single arrangement of the fuse terminal block in the event of a short-circuit)
	max. 4 W (With interconnected arrangement of several fuse terminal blocks in the event of a short-circuit)

Connection data

Number of connections per level	2
Nominal cross section	16 mm²

1 level

Screw thread	M4
Tightening torque	1.5 ... 1.8 Nm
Stripping length	13 mm
Internal cylindrical gage	A5
Connection in acc. with standard	IEC 60947-7-3
Conductor cross section rigid	0.5 mm² ... 16 mm²
Cross section AWG	20 ... 6 (converted acc. to IEC)
Conductor cross section flexible	0.5 mm² ... 16 mm²
Conductor cross section, flexible [AWG]	20 ... 6 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm² ... 16 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	0.5 mm² ... 10 mm²
Cross-section with insertion bridge, rigid	16 mm²
Cross-section with insertion bridge, flexible	16 mm²
2 conductors with same cross section, solid	0.5 mm² ... 4 mm²

2 conductors with same cross section, flexible	0.5 mm² ... 6 mm²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	0.5 mm² ... 6 mm²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm² ... 6 mm²
Nominal current	10 A (is determined by the fuse used)
Maximum load current	40 A (As a disconnect terminal block)
Nominal voltage	500 V (As a fuse terminal block)
	500 V (As a disconnect terminal block)
Nominal cross section	1.5 mm²

Dimensions

Width	10.2 mm

Material specifications

Color	black (RAL 9005)
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA
Static insulating material application in cold	-60 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	130 °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
Calorimetric heat release NFPA 130 (ASTM E 1354)	28 MJ/kg
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	No

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-60 °C ... 105 °C (max. short-term operating temperature RTI Elec.)
Ambient temperature (storage/transport)	-25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C
Permissible humidity (storage/transport)	30 % ... 70 %

Standards and regulations

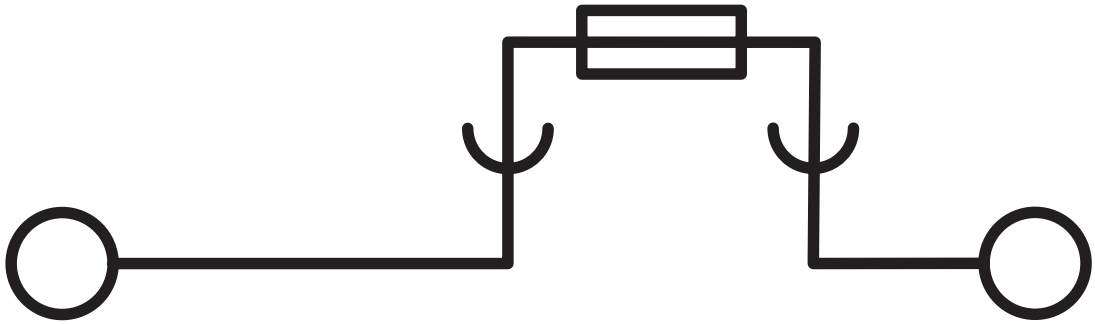
Connection in acc. with standard	IEC 60947-7-3

Mounting

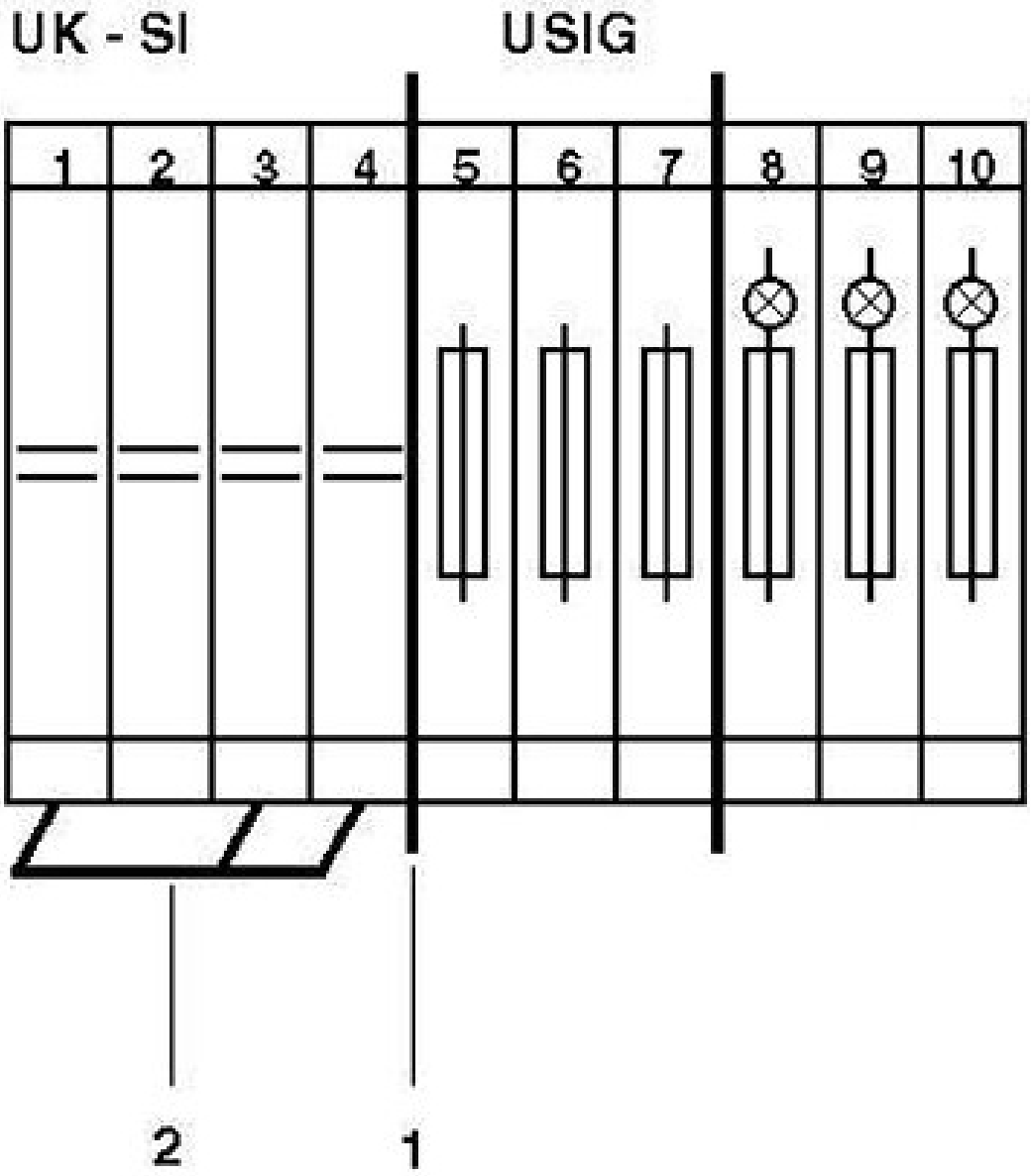
Mounting type	NS 35/7,5
	NS 35/15
	NS 32

Drawings

Circuit diagram



Circuit diagram



1 = partition plate
2 = insertion bridge

Classifications

ECLASS

ECLASS-11.0	27141116

ETIM

ETIM 8.0	EC000899

UNSPSC

UNSPSC 21.0	39121400

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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