Installation terminal block - STI 10 BU - 3038228

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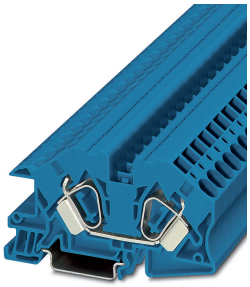

Installation terminal block, Spring-cage connection, cross section: 0.2 mm² - 16 mm², AWG: 24 - 6, width: 10 mm, color: blue, mounting type: NS 35/7,5, NS 35/15

Your advantages

- Compatible with all Phoenix Contact installation terminal blocks
- Each terminal point can be clearly labeled and easily recognized in every terminal block mounting position
- Compact design tailored to distribution boards

Key Commercial Data

Packing unit	1 pc
Minimum order quantity	25 pc
GTIN	4 017918 899721
GTIN	4017918899721
Weight per Piece (excluding packing)	27.600 g
Custom tariff number	85369010
Country of origin	Romania

Technical data

General

Number of levels	1
Number of connections	2
Nominal cross section	10 mm²
Color	blue
Insulating material	PA

Installation terminal block - STI 10 BU - 3038228

Technical data

General

Flammability rating according to UL 94	V0
Maximum load current	57 A (with 16 mm² conductor cross section)
Rated surge voltage	6 kV
Degree of pollution	3
Overvoltage category	III
Insulating material group	I
Maximum power dissipation for nominal condition	1.82 W
Connection in acc. with standard	IEC 60947-7-1
Nominal current I_N	57 A
Maximum load current	57 A (with 16 mm² conductor cross section)
Nominal voltage U_N	400 V
Open side panel	Yes
Shock protection test specification	DIN EN 50274 (VDE 0660-514):2002-11
Back of the hand protection	guaranteed
Finger protection	guaranteed
Result of surge voltage test	Test passed
Surge voltage test setpoint	7.3 kV
Result of power-frequency withstand voltage test	Test passed
Power frequency withstand voltage setpoint	1.89 kV
Result of the test for mechanical stability of terminal points (5 x conductor connection)	Test passed
Result of flexion and pull-out test	Test passed
Bending test rotation speed	10 (+/- 2) rpm
Bending test turns	135
Bending test conductor cross section/weight	0.2 mm² / 0.2 kg
	10 mm² / 2 kg
	16 mm² / 2.9 kg
Result of tight fit on support	Test passed
Tight fit on carrier	NS 35
Short circuit stability result	Test passed
Conductor cross section short circuit testing	10 mm²
Short-time current	1.2 kA
Result of aging test	Test passed
Ageing test for screwless modular terminal block temperature cycles	192
Result of thermal test	Test passed
Proof of thermal characteristics (needle flame) effective duration	30 s
Test specification, oscillation, broadband noise	DIN EN 50155 (VDE 0115-200):2018-05

Installation terminal block - STI 10 BU - 3038228

Technical data

General

Test spectrum	Service life test category 2, bogie-mounted
Test frequency	f_1 = 5 Hz to f_2 = 250 Hz
ASD level	6.12 $(m/s^2)^2$/Hz
Acceleration	3.12 g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Shock form	Half-sine
Acceleration	30g
Shock duration	18 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)

Dimensions

Width	10 mm
End cover width	2 mm
Length	87 mm
Height NS 35/7,5	49 mm
Height NS 35/15	56.5 mm

Connection data

Conductor cross section solid min.	0.2 mm²
Conductor cross section solid max.	16 mm²
Conductor cross section flexible min.	0.2 mm²
Conductor cross section flexible max.	10 mm²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	6
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	10 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	10 mm²
Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, minimum	1.5 mm²
Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, maximum	2.5 mm²
Connection method	Spring-cage connection
Stripping length	18 mm

Ambient conditions

Operating temperature	-60 °C ... 85 °C

Installation terminal block - STI 10 BU - 3038228

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Ambient conditions

Ambient temperature (storage/transport)	-25 °C ... 55 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
Permissible humidity (storage/transport)	30 % ... 70 %
Ambient temperature (assembly)	-5 °C ... 70 °C

Standards and Regulations

Connection in acc. with standard	IEC 60947-7-1
Flammability rating according to UL 94	V0

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Circuit diagram

Classifications

eCl@ss

eCl@ss 10.0.1	27141125
eCl@ss 11.0	27141125
eCl@ss 4.0	27141100
eCl@ss 4.1	27141100
eCl@ss 5.0	27141100
eCl@ss 5.1	27141100
eCl@ss 6.0	27141100
eCl@ss 7.0	27141125
eCl@ss 9.0	27141125

ETIM

ETIM 2.0	EC001329
ETIM 3.0	EC001329
ETIM 4.0	EC001329
ETIM 6.0	EC001329
ETIM 7.0	EC001329

UNSPSC

UNSPSC 6.01	30211811

Installation terminal block - STI 10 BU - 3038228

Classifications

UNSPSC

UNSPSC 7.0901	39121410
UNSPSC 11	39121410
UNSPSC 12.01	39121410
UNSPSC 13.2	39121410
UNSPSC 18.0	39121410
UNSPSC 19.0	39121410
UNSPSC 20.0	39121410
UNSPSC 21.0	39121410

Approvals

Approvals

Approvals

EAC / EAC / EAC

Ex Approvals

Approval details

EAC	EAC	EAC-Zulassung
EAC	EAC	RU C-DE.A*30.B.01742
EAC	EAC	RU C-DE.BL08.B.00644