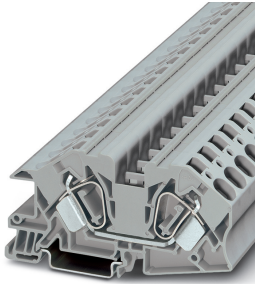


Installation terminal block - STI 16 - 3038257

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Installation terminal block, Spring-cage connection, cross section: 0.2 mm² - 25 mm², AWG: 24 - 4, width: 12 mm, color: gray, 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 899752
GTIN	4017918899752
Weight per Piece (excluding packing)	36.080 g
Custom tariff number	85369010
Country of origin	Romania

Technical data

General

Number of levels	1
Number of connections	2
Nominal cross section	16 mm ²
Color	gray
Insulating material	PA

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Technical data

General

Flammability rating according to UL 94	V0
Maximum load current	76 A (with 25 mm ² 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	2.43 W
Connection in acc. with standard	IEC 60947-7-1
Nominal current I _N	76 A
Maximum load current	76 A (with 25 mm ² 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
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 rpm
Bending test turns	135
Result of tight fit on support	Test passed
Tight fit on carrier	NS 32/NS 35
Result of temperature-rise test	Test passed
Short circuit stability result	Test passed
Conductor cross section short circuit testing	16 mm ²
Short-time current	1.92 kA
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
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

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Technical data

General

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	12 mm
End cover width	2 mm
Length	95 mm
Height NS 35/7,5	49 mm
Height NS 35/15	56.5 mm

Connection data

Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	25 mm ²
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	16 mm ²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	4
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	16 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	16 mm ²
Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, minimum	1.5 mm ²
Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, maximum	4 mm ²
Connection method	Spring-cage connection
Stripping length	18 mm
Internal cylindrical gage	A7

Ambient conditions

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

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Technical data

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

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Classifications

UNSPSC

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