

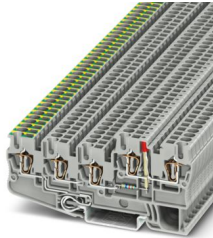
STIO 2,5/4-PE/2B/L-LA24RD/O-M - Installation ground terminal block



3209170

<https://www.phoenixcontact.com/pc/products/3209170>

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Installation ground terminal block, nom. voltage: 24 V, nominal current: 18 A, number of connections: 5, connection method: Spring-cage connection, Rated cross section: 2.5 mm², cross section: 0.08 mm² - 4 mm², mounting type: NS 35/7,5, NS 35/15, color: gray

Your advantages

- Upper level for signal wiring

Commercial data

Item number	3209170
Packing unit	50 pc
Minimum order quantity	50 pc
Product key	BE2118
Catalog page	Page 215 (C-1-2019)
GTIN	4046356143479
Weight per piece (including packing)	14.507 g
Weight per piece (excluding packing)	14.507 g
Customs tariff number	85369010
Country of origin	TR

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Technical data

Product properties

Product type	Sensor/actuator terminal block
Number of connections	5
Number of rows	3

Data management status

Article revision	01
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Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	4 kV
Maximum power dissipation for nominal condition	0.77 W

Connection data

Grounding foot	Yes
Number of connections per level	5
Nominal cross section	2.5 mm ²
Note	Please observe the current carrying capacity of the DIN rails.
Stripping length	8 mm ... 10 mm
Connection in acc. with standard	IEC 60947-7-1/IEC 60947-7-2
Conductor cross section rigid	0.08 mm ² ... 4 mm ²
Cross section AWG	28 ... 12 (converted acc. to IEC)
Conductor cross section flexible	0.08 mm ² ... 2.5 mm ²
Conductor cross section, flexible [AWG]	28 ... 14 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.14 mm ² ... 2.5 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.14 mm ² ... 2.5 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm ²
Nominal current	18 A
Maximum load current	18 A (with 4 mm ² conductor cross section)
Nominal voltage	24 V (Light indicator, red)
Nominal cross section	2.5 mm ²

Dimensions

Width	5.2 mm
End cover width	2.2 mm
Height	92.3 mm
Depth on NS 35/7,5	44.5 mm

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Depth on NS 35/15	52 mm
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Material specifications

Color	gray (RAL 7042)
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	Yes
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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/IEC 60947-7-2
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Mounting

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

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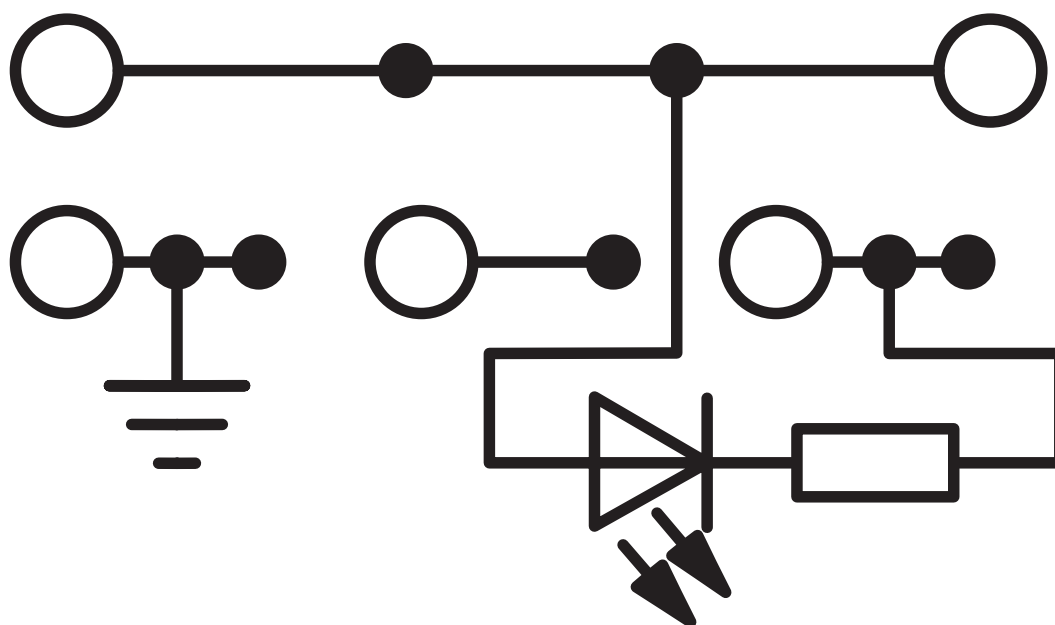


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Drawings

Circuit diagram



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/pc/products/3209170>

 **EAC**
Approval ID: RU C-DE.BL08.B.00644

 cULus Recognized Approval ID: E60425	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B	300 V	10 A	28 - 12	-
Use group C	150 V	18 A	28 - 12	-
Use group D	300 V	10 A	28 - 12	-

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Classifications

ECLASS

ECLASS-11.0	27141128
ECLASS-12.0	27141128
ECLASS-13.0	27250112

ETIM

ETIM 9.0	EC000900
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UNSPSC

UNSPSC 21.0	39121400
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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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