STTB 2,5-LA 24 RD - Component terminal block

3031607

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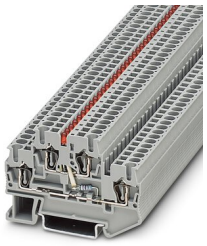

Component terminal block, nom. voltage: 250 V, nominal current: 22 A, 1st and 2nd level, connection method: Spring-cage connection, Rated cross section: 2.5 mm^2, cross section: 0.08 mm^2 - 4 mm^2, mounting: NS 35/7,5, NS 35/15, color: gray

Your advantages

- For more versions and versions for soldering in components yourself, visit phoenixcontact.net/products
- Double-level diode and LED terminal blocks perform a wide range of switching tasks

Commercial Data

Item number	3031607
Packing unit	50 pc
Minimum order quantity	1 pc
Sales Key	BE2
Product Key	BE2174
Catalog Page	Page 219 (C-1-2019)
GTIN	4017918183110
Weight per Piece (including packing)	10.942 g
Weight per Piece (excluding packing)	10.942 g
Customs tariff number	85369010
Country of origin	PL

Technical Data

Product properties

Product type	Component terminal block
Number of connections	4
Number of rows	2
Potentials	2

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
LED voltage range	12 V DC ... 30 V DC
LED current range	0.8 mA ... 2.4 mA

Input data

LED voltage range	12 V DC ... 30 V DC

Connection data

Number of connections per level	2
Nominal cross section	2.5 mm²

1st and 2nd level

Stripping length	8 mm ... 10 mm
Internal cylindrical gage	A3
Conductor cross section rigid	0.08 mm² ... 4 mm²
Cross section AWG	28 ... 12 (converted acc. to IEC)
Conductor cross section flexible	0.08 mm² ... 2.5 mm²
Conductor cross section, flexible [AWG]	28 ... 16 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.14 mm² ... 2.5 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	0.14 mm² ... 2.5 mm²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm²
Nominal current	22 A
Maximum load current	26 A (with 4 mm² conductor cross section)
Nominal voltage	250 V (the operating voltage is determined by the selected LED version)
Nominal cross section	2.5 mm²

Dimensions

Width	5.2 mm
End cover width	2.2 mm

Height NS 35/15	55 mm
Height NS 35/7,5	47.5 mm
Height	1.87 "
Length	67.5 mm

Material specifications

Color	gray
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))	125 °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)	27,5 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

Electrical tests

Surge voltage test

Test voltage setpoint	4.8 kV
Result	Test passed

Temperature-rise test

Requirement temperature-rise test	Increase in temperature ≤ 45 K
Result	Test passed
Short-time withstand current 2.5 mm²	0.3 kA
Short-time withstand current 4 mm²	0.48 kA
Result	Test passed

Power-frequency withstand voltage

Test voltage setpoint	1.5 kV
Result	Test passed

Mechanical properties

Mechanical data

Open side panel	Yes

Mechanical tests