

3046154

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Knife-disconnect terminal block, with actuation latch, red disconnect knife, and test socket screws for insertion of test plugs, nom. voltage: 500 V, nominal current: 20 A, connection method: Screw connection, Rated cross section: 2.5 mm², cross section: 0.14 mm² - 6 mm², mounting: NS 35/7,5, NS 35/15, color: gray

Your advantages

· Compact design and high current carrying capacity of 20 A

Commercial data

Item number	3046154
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE01
Product key	BE1131
GTIN	4055626063454
Weight per piece (including packing)	13.92 g
Weight per piece (excluding packing)	13.92 g
Customs tariff number	85369010
Country of origin	PL



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Flexible conductor cross section (ferrule with plastic sleeve)

2 conductors with same cross section, flexible, with ferrule

2 conductors with the same cross section, flexible, with TWIN

2 conductors with same cross section, solid 2 conductors with same cross section, flexible

without plastic sleeve

Nominal current Maximum load current

Nominal voltage Nominal cross section

ferrule with plastic sleeve

Technical data

Ρ

roduct type	Disconnect terminal block
Area of application	Machine building
	Plant engineering
Number of connections	2
Number of rows	1
Potentials	1
sulation characteristics	
Overvoltage category	III
Degree of pollution	3
atrical proportion	
ctrical properties	
Rated surge voltage	6 kV
Maximum power dissipation for nominal condition	1.02 W
nnection data	
Number of connections per level	2
Nominal cross section	4 mm²
evel 1 above 1 below 1	
Screw thread	M3
Tightening torque	0.6 0.8 Nm
Stripping length	9 mm
Internal cylindrical gage	A4
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section rigid	0.14 mm² 6 mm²
Cross section AWG	26 10 (converted acc. to IEC)
Conductor cross section flexible	0.14 mm² 6 mm²
Conductor cross section, flexible [AWG]	26 10 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.14 mm² 4 mm²
Conductor cross cocación noxibro (remaio manear placado cicevo)	

0.14 mm² ... 4 mm² 0.14 mm² ... 1.5 mm²

0.14 mm² ... 1.5 mm² 0.14 mm² ... 1.5 mm²

0.5 mm² ... 2.5 mm²

500 V

2.5 mm²

20 A (with 6 mm² conductor cross section)



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Dimensions

Width	6.2 mm
Height	57.8 mm
Depth on NS 35/7,5	49.1 mm
Depth on NS 35/15	56.6 mm

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))	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	7.3 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
Result	Test passed
Power-frequency withstand voltage	
Test voltage setpoint	1.89 kV

Mechanical properties

Result

Open side panel	No

Test passed

Mechanical tests



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Result	Test passed
tachment on the carrier	
DIN rail/fixing support	NS 35
Test force setpoint	1 N
Result	Test passed
est for conductor damage and slackening	
	10 rpm
Rotation speed Revolutions	10 rpm 135
Rotation speed	
Rotation speed Revolutions	135
Rotation speed Revolutions	135 0.14 mm² / 0.2 kg

Ε

Needle-flame test

Time of exposure	30 s
Result	Test passed
Ambient conditions	

-60 °C 110 °C (Operating temperature range incl. self-heating; for max. short-term operating temperature, see RTI Elec.)
-25 °C 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
-5 °C 70 °C
-5 °C 70 °C
20 % 90 %
30 % 70 %

Standards and regulations

Connection in acc. with standard	IEC 60947-7-1

Mounting

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

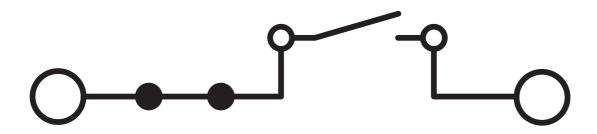


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Drawings

Circuit diagram





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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/3046154

cULus Recogniz Approval ID: E60425				
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
Use group B				
	300 V	16 A	26 - 10	-
Multi-conductor connection	300 V	16 A	26 - 14	-
Use group C				
	300 V	16 A	26 - 10	-
Multi-conductor connection	300 V	16 A	26 - 14	-

•	CSA
Œ	Approval ID: 13631

EHC	EAC
LIIL	Approval ID: KZ7500651131219505

•	CSA Approval ID: 13631					
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Classifications

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-		AOO

	ECLASS-13.0	27250108
Εī	ГІМ	
	ETIM 9.0	EC000902
U	NSPSC	
	UNSPSC 21.0	39121400



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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)
China RoHS	
Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
EU REACH SVHC	
REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	42b4520c-8ea1-4acd-ae45-b11550b87253

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