

1157686

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Disconnect terminal block, with test socket screws to accommodate 4 mm test plugs, nom. voltage: 500 V, nominal current: 20 A, connection method: Push-in connection, Rated cross section: 4 mm^2 , cross section: 0.2 mm^2 - 6 mm^2 , connection method: Screw connection, Rated cross section: 4 mm^2 , cross section: 0.2 mm^2 - 6 mm^2 , mounting: NS 35/7,5, NS 35/15, color: gray

Your advantages

- · The compact design and front connection enable wiring in a confined space

- The Push-in connection terminal blocks are characterized by the system features of the CLIPLINE complete system and by easy and tool-free wiring of conductors with ferrules or solid conductors
- · In addition to the testing option in the double function shaft, all terminal blocks provide an additional test pick-off
- The push-in connection is used inside the control cabinet and the universal screw connection is used on the end customer side

Commercial data

Item number	1157686
Packing unit	50 pc
Minimum order quantity	50 pc
Note	Made to order (non-returnable)
Sales key	****
Product key	BE2231
GTIN	4063151162726
Weight per piece (including packing)	22.222 g
Weight per piece (excluding packing)	22.222 g
Customs tariff number	85369010
Country of origin	RU

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Technical data

Notes

General	
Note	When establishing a connection on the open housing side of a feed-through modular terminal block of the same series and size, the block must be provided with a cover if the expected insulation voltage is >320 V.
	The max. load current must not be exceeded by the total current of all connected conductors.
Product properties	
Product type	Disconnect terminal block
Number of connections	2
Number of rows	1
Potentials	1
Data management status	
Article revision	02
Insulation characteristics	
Overvoltage category	111
Degree of pollution	3
	5
Electrical properties	
Rated surge voltage	6 kV
Connection data	
Number of connections per level	2
Nominal cross section	4 mm²
Push-in connection	
Stripping length	10 mm 12 mm
Internal cylindrical gage	A4
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section rigid	0.2 mm ² 6 mm ²
Cross section AWG	24 10 (converted acc. to IEC)
Conductor cross section flexible	0.2 mm ² 6 mm ²
Conductor cross section, flexible [AWG]	24 12 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.25 mm ² 4 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.25 mm² 4 mm²
Conductor cross-section flexible (2 conductors with the same cross-section, with TWIN ferrule and plastic sleeve)	0.5 mm² 1 mm²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm² 1 mm²
Nominal current	20 A

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Maximum load current	20 A
Nominal voltage	500 V
Nominal cross section	4 mm ²
Screw connection	
Screw thread	M3,5
Tightening torque	1 1.2 Nm
Stripping length	9 mm 12 mm
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section rigid	0.2 mm ² 6 mm ²
Cross section AWG	24 10 (converted acc. to IEC)
Conductor cross section flexible	0.2 mm ² 6 mm ²
Conductor cross section, flexible [AWG]	24 12 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.25 mm² 4 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	0.25 mm² 4 mm²
Conductor cross-section flexible (2 conductors with the same cross-section, with TWIN ferrule and plastic sleeve)	0.5 mm² 1 mm²
2 conductors with same cross section, solid	0.2 mm ² 1.5 mm ²
2 conductors with same cross section, flexible	0.2 mm ² 1.5 mm ²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	0.2 mm² 1.5 mm²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm² 1 mm²
Nominal current	20 A
Maximum load current	20 A
Nominal voltage	500 V
Nominal cross section	4 mm ²
Push-in connection Connection cross sections directly pluggable	
Conductor cross section rigid	0.5 mm² 6 mm²
Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm ² 4 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.5 mm ² 4 mm ²
nensions	
Width	6.2 mm
End cover width	2.2 mm
terial specifications	
Color	gray
Flammability rating according to UL 94	V0
Insulating material group	
Insulating material	PA
Static insulating material application in cold	-60 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE	125 °C
0304-21))	



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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

7.3 kV
Test passed
Increase in temperature ≤ 45 K
Test passed
0.3 kA
Test passed
1.89 kV
Test passed

Mechanical properties

Mechanical data	
Open side panel	Yes
Mechanical tests	
Mechanical strength	
Result	Test passed
Attachment on the carrier	
DIN rail/fixing support	NS 35
Result	Test passed
Test for conductor damage and slackening	
Rotation speed	10 rpm
Revolutions	135
Conductor cross section/weight	0.2 mm² / 0.2 kg
	4 mm² / 0.9 kg
	6 mm² / 1.4 kg
Result	Test passed

Environmental and real-life conditions



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ging	
Temperature cycles	192
Result	Test passed
Needle-flame test	
Time of exposure	30 s
Result	Test passed
Dscillation/broadband noise	
Specification	DIN EN 50155 (VDE 0115-200):2018-05
Spectrum	Service life test category 2, bogie-mounted
Frequency	$f_1 = 5 \text{ Hz to } f_2 = 250 \text{ Hz}$
ASD level	6.12 (m/s ²) ² /Hz
Acceleration	3.12g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Result	Test passed
Shocks	
Specification	DIN EN 50155 (VDE 0115-200):2018-05
Pulse shape	Semi-sinusoidal
Acceleration	30g
Shock duration	18 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Result	Test passed
Ambient conditions	
Ambient temperature (operation)	-60 °C 105 °C (max. short-term operating temperature RTI Elec.)
Ambient temperature (storage/transport)	-25 °C 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
Ambient temperature (assembly)	-5 °C 70 °C
Ambient temperature (actuation)	-5 °C 70 °C
Permissible humidity (storage/transport)	30 % 70 %
andards and regulations	
Connection in acc. with standard	IEC 60947-7-1
	IEC 60947-7-1
punting	
Mounting type	NS 35/7,5
mounting type	

NS 35/15

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Classifications

ECLASS

	ECLASS-11.0	27141126
ET	ΓIM	
	ETIM 8.0	EC000902
١U	NSPSC	
		204.04.400
	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-E
	No hazardous substances above the limits
EU REACH SVHC	
REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)

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