

3206461

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Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, number of connections: 3, connection method: Quick connection, 1 level, Rated cross section: 2.5 mm², cross section: 0.5 mm² - 2.5 mm², mounting type: NS 35/7,5, NS 35/7,5, color: blue

Your advantages

- · Compact design
- · Tested for railway applications

Commercial data

Item number	3206461
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE03
Product key	BE3112
Catalog page	Page 263 (C-1-2019)
GTIN	4046356057646
Weight per piece (including packing)	14.06 g
Weight per piece (excluding packing)	12 g
Customs tariff number	85369010
Country of origin	CN



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Technical data

Product properties

Product type	Multi-conductor terminal block
Area of application	Railway industry
	Machine building
	Plant engineering
	Process industry
Number of connections	3
Number of rows	1
Potentials	1
Insulation characteristics	
Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	8 kV
Maximum power dissipation for nominal condition	0.77 W

Connection data

Number of connections per level	3
Frequency of connections with the same cross section	100
Nominal cross section	2.5 mm ²

1 level

Material wire insulation	PVC / PE
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section rigid	0.5 mm² 2.5 mm²
Cross section AWG	20 14 (converted acc. to IEC)
Conductor cross section flexible	0.5 mm² 2.5 mm²
Conductor cross section, flexible [AWG]	20 14 (converted acc. to IEC)
Nominal current	24 A (with a 2.5 mm² conductor cross section)
Maximum load current	24 A (at a conductor cross section of 2.5 mm²; it must not be exceeded by the total current.)
Nominal voltage	800 V
Nominal cross section	2.5 mm²

Ex data

Rated data (ATEX/IECEx)

Identification	
Operating temperature range	-45 °C 90 °C
Ex-certified accessories	3206571 D-QTC 2,5-TWIN
	3206212 ATP-QTC TWIN



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	1204517 SZF 1-0,6X3,5
	3022276 CLIPFIX 35-5
	3022218 CLIPFIX 35
List of bridges	Plug-in bridge / FBS 2-6 / 3030336
	Plug-in bridge / FBS 3-6 / 3030242
	Plug-in bridge / FBS 4-6 / 3030255
	Plug-in bridge / FBS 5-6 / 3030349
	Plug-in bridge / FBS 10-6 / 3030271
	Plug-in bridge / FBS 20-6 / 3030365
Bridge data	22 A / 2.5 mm ²
Ex temperature increase	40 K (24.6 A / 2,5 mm²)
Rated voltage	550 V
for bridging with bridge	550 V
- At bridging between non-adjacent terminal blocks	352 V
- At cut-to-length bridging with cover	220 V
- At cut-to-length bridging with partition plate	275 V
Rated insulation voltage	500 V
output	(Permanent)
Ex level General	
Rated current	22 A
Maximum load current	22 A
Contact resistance	1 mΩ
Ex connection data General	
Nominal cross section	2.5 mm²
Rated cross section AWG	14
Connection capacity rigid	0.5 mm² 2.5 mm²
Connection capacity AWG	20 14
Connection capacity flexible	0.5 mm² 2.5 mm²
Connection capacity AWG	20 14
Frequency of connections with the same cross section	100
mensions	
Width	6.2 mm
End cover width	2.2 mm
Height	82.5 mm
Depth on NS 35/7,5	39.3 mm
Depth on NS 35/15	46.8 mm
	10.0 11111
aterial specifications	
Color	blue
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA



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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
Cable/line	
Wire diameter incl. insulation	3.8 mm
THE didition had included	0.0 11111
Electrical tests	
Surge voltage test	
Test voltage setpoint	9.8 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
Result	Test passed
result	rest passed
Power-frequency withstand voltage	
Test voltage setpoint	2 kV
Result	Test passed
Mechanical properties	
Mechanical data	
Open side panel	Yes
Mechanical tests	
Mechanical strength	Tool passed
Result	Test passed
Attachment on the carrier	
DIN rail/fixing support	NS 35
Test force setpoint	1 N
Result	Test passed
Test for conductor damage and slackening	



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Rotation speed	10 rpm
Revolutions	135
Conductor cross section/weight	0.5 mm² / 0.3 kg
	2.5 mm² / 0.7 kg
Result	Test passed

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$\Lambda \sim$	III	-

Temperature cycles	192
Result	Test passed

Needle-flame test

Time of exposure	30 s
Result	Test passed

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

Mounting

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



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Classifications

ECLASS

	ECLASS-11.0	27141120		
	ECLASS-13.0	27250101		
ETIM				
C1100				
	ETIM 9.0	EC000897		
UNSPSC				
	UNSPSC 21.0	39121400		



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Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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