

1079073

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Double-level terminal block, nom. voltage: 800 V, nominal current: 22 A, connection method: Push-in connection, 1st and 2nd level, Rated cross section:  $2.5~\text{mm}^2$ , cross section:  $0.14~\text{mm}^2$  -  $4~\text{mm}^2$ , mounting type: NS 35/7,5, NS 35/15, color: gray

### Your advantages

- 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
- · Clear wiring, thanks to lateral conductor entry
- · In addition to the testing option in the double function shaft, all terminal blocks provide an additional test pick-off
- The offset levels of the double-level terminal blocks allow unhindered access to the lower connection level and its actuating push buttons, even when fully wired.
- · Tested for railway applications

#### Commercial data

Item number	1079073
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE23
Product key	BE2314
GTIN	4055626796666
Weight per piece (including packing)	15.485 g
Weight per piece (excluding packing)	15.42 g
Customs tariff number	85369010
Country of origin	CN



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### Technical data

### Pr

roduct type	Multi-level terminal block
Area of application	Railway industry
	Machine building
	Plant engineering
	Process industry
Number of connections	4
Number of rows	2
Potentials	2
ata management status	
Article revision	04
sulation characteristics	
Overvoltage category	III
Degree of pollution	3
ctrical properties	
	011/
Rated surge voltage	6 kV
Maximum power dissipation for nominal condition	0.77 W
nection data	
Number of connections per level	2
Nominal cross section	2.5 mm <sup>2</sup>

#### Co

#### 1st and 2nd level

1st and 2nd level			
Stripping length	8 mm 10 mm		
Connection in acc. with standard	IEC 60947-7-1		
Conductor cross section rigid	0.14 mm² 4 mm²		
Cross section AWG	26 12 (converted acc. to IEC)		
Conductor cross section flexible	0.14 mm² 4 mm²		
Conductor cross section, flexible [AWG]	26 12 (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		
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	1 mm²		
Nominal current	22 A (with 2.5 mm² conductor connection cross section)		
Maximum load current	26 A (with 4 mm² conductor cross section, rigid)		
Nominal voltage	800 V		
Nominal cross section	2.5 mm²		



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#### 1st and 2nd level Connection cross sections directly pluggable

Conductor cross section rigid	0.5 mm² 4 mm²	
Conductor cross-section flexible (ferrule without plastic sleeve)	1 mm² 2.5 mm²	
Flexible conductor cross section (ferrule with plastic sleeve)	1 mm² 2.5 mm²	

#### **Dimensions**

Width	5.2 mm
End cover width	2.2 mm
Height	99.5 mm
Depth	56 mm
Depth on NS 35/7,5	57.5 mm
Depth on NS 35/15	65 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

Result	Test passed
Result	Test passed
Power-frequency withstand voltage	
Test voltage setpoint	2.2 kV

### Mechanical properties

#### Mechanical data

Open side panel	Yes
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### Mechanical tests

Mechanical strength	
Result	Test passed
Attachment on the carrier	
Result	Test passed
Test for conductor damage and slackening	
Rotation speed	10 rpm
Revolutions	135
Conductor cross section/weight	0.14 mm² / 0.2 kg
	2.5 mm² / 0.7 kg
	4 mm² / 0.9 kg
Result	Test passed
nvironmental and real-life conditions	
Aging	
Temperature cycles	192
Result	Test passed
Needle-flame test	
Time of exposure	30 s
Result	Test passed
Oscillation/broadband noise	
Specification	DIN EN 50155 (VDE 0115-200):2018-05
Spectrum	Service life test category 2, bogie-mounted
Frequency	f <sub>1</sub> = 5 Hz to f <sub>2</sub> = 250 Hz
ASD level	6.12 (m/s²)²/Hz
Acceleration	3.12g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Result	Test passed
Shocks	
Pulse shape	Half-sine
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
. 1554.1	1001 passou
Ambient conditions	
Ambient temperature (operation)	-60 °C 110 °C (Operating temperature range incl. self-heating for max. short-term operating temperature, see RTI Elec.)



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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 (operation)	20 % 90 %
Permissible humidity (storage/transport)	30 % 70 %
tandards and regulations  Connection in acc. with standard	IEC 60947-7-1
ounting	
Mounting type	NS 35/7,5



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### Drawings









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### **Approvals**

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CSA Approval ID: 158887				
	Nominal voltage $U_N$	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>
Use group B				
	300 V	20 A	26 - 12	-
Use group C				
	300 V	20 A	26 - 12	-
Use group D				
	600 V	5 A	26 - 12	-

cULus Recogniz Approval ID: E60425				
	Nominal voltage $U_N$	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>
Use group B				
	300 V	20 A	26 - 12	-
Use group C				
	300 V	20 A	26 - 12	-
Use group F				
	500 V	20 A	26 - 12	-
Use group D				
	600 V	5 A	26 - 12	-



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### Classifications

#### **ECLASS**

	ECLASS-11.0	27141120	
	ECLASS-13.0	27250102	
ETIM			
CTIVI			
	ETIM 9.0	EC000897	
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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Phoenix Contact USA 586 Fulling Mill Road Middletown, PA 17057, United States (+717) 944-1300 info@phoenixcon.com