

1088773

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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 mm², cross section: 0.14 mm² - 4 mm², 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	1088773
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE2314
Product key	BE2314
GTIN	4055626891415
Weight per piece (including packing)	15.32 g
Weight per piece (excluding packing)	15.4 g
Customs tariff number	85369010
Country of origin	CN



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Technical data

Product properties

Product type	Multi-level terminal block
Product family	PTV
Area of application	Railway industry
	Machine building
	Plant engineering
	Process industry
Number of connections	4
Number of rows	2
Potentials	2
nsulation characteristics	
Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	6 kV
Maximum power dissipation for nominal condition	0.77 W

Connection data

Number of connections per level	2
Nominal cross section	2.5 mm ²
Rated cross section AWG	12

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 2.5 mm²
Conductor cross section, flexible [AWG]	26 14 (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 1.5 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

1st and 2nd level Connection cross sections directly pluggable

13t and 2nd level confidencian cross sections directly pluggable		
Conductor cross section rigid	0.34 mm² 4 mm²	
Conductor cross-section flexible (ferrule without plastic sleeve)	0.34 mm² 2.5 mm²	



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Flexible conductor cross section (ferrule with plastic sleeve)	0.34 mm² 2.5 mm²
ensions	
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
erial specifications	
Color	gray (RAL 7042)
Flammability rating according to UL 94	V0
Insulating material group	T
Insulating material	PA
Static insulating material application in cold	-60 °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
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
ctrical tests	
urge voltage test	
Result	Test passed
Result	Test passed
ower-frequency withstand voltage	
Test voltage setpoint	2.2 kV
Result	Test passed
chanical properties	
echanical data	
Open side panel	Yes
chanical tests	
echanical strength	
Result	Test passed
	•
tachment on the carrier	



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Rotation speed	10 rpm
Revolutions	135
Conductor cross section/weight	0.14 mm² / 0.2 kg
Conductor drops session weight	2.5 mm² / 0.7 kg
	4 mm² / 0.9 kg
Result	Test passed
vironmental 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	DIN EN 50455 (VDE 0445 000) 0040 05
Specification	DIN EN 50155 (VDE 0115-200):2018-05
Spectrum	Long life test category 2, bogie-mounted
Frequency ASD level	$f_1 = 5 \text{ Hz to } f_2 = 250 \text{ Hz}$
Acceleration	6.12 (m/s²)²/Hz 3.12g
Test duration per axis	5.129 5.h
Test directions	X-, Y- and Z-axis
Result	Test passed
	rest 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
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, not exceeding 24 h, -60 °C to +70 °C)
Ambient temperature (assembly)	-5 °C 70 °C
Ambient temperature (assembly) Ambient temperature (actuation)	-5 °C 70 °C -5 °C 70 °C

30 % ... 70 %

Standards and regulations

Permissible humidity (storage/transport)



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	Connection in acc. with standard	IEC 60947-7-1
Мо	unting	
	Mounting type	NS 35/7,5
		NS 35/15



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Drawings









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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/gb/products/1088773

CSA Approval ID: 158887				
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
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 Recogni Approval ID: E60425				
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
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

FC	ΙΔ	SS
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	ECLASS-13.0	27250102	
ETIM			
	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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