

https://www.phoenixcontact.com/us/products/3273408

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Distribution block, Basic terminal block, nom. voltage: 450 V, nominal current: 24 A, number of connections: 6, connection method: Push-in connection, cross section: 0.14 mm² - 4 mm², mounting type: adhesive, color: black

Your advantages

- · Flexible use, thanks to DIN rail mounting, direct mounting or adhesive mounting
- · Clear wiring, thanks to eleven different color variants
- · Time-saving conductor connection, thanks to tool-free Push-in direct connection technology
- Time savings of up to 80 %, thanks to ready-to-mount blocks without manual bridging
- · Space savings of up to 50 % on the DIN rail, thanks to transverse mounting

Commercial data

Item number	3273408
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	BE09
Product key	BEA113
Catalog page	Page 440 (C-1-2019)
GTIN	4055626392769
Weight per piece (including packing)	12.42 g
Weight per piece (excluding packing)	12.4 g
Customs tariff number	85369010
Country of origin	PL

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Technical data

otes	
General	the blocks can be bridged with one another via the conductor shaft, for corresponding plug-in bridges, see accessories
General	
Note	The maximum load current of a single clamping unit must not be exceeded.
oduct properties	
Product type	Distributor terminal block
Number of connections	6
Number of rows	1
Potentials	1
Insulation characteristics	
Overvoltage category	III
Degree of pollution	3
ectrical properties	
Rated surge voltage	6 kV
Maximum power dissipation for nominal condition	0.77 W
onnection data	
Number of connections per level	6
Nominal cross section	2.5 mm ²
Rated cross section AWG	12
Stripping length	8 mm 10 mm
Internal cylindrical gage	A3
Connection in acc. with standard	IEC 60998-2-2
Conductor cross section rigid	0.14 mm² 4 mm²
Cross section AWG	26 12 (converted acc. to IEC)
Conductor cross section flexible	0.14 mm ² 2.5 mm ²
Conductor cross section, flexible [AWG]	26 14 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.14 mm ² 2.5 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.14 mm ² 2.5 mm ²
Nominal current	24 A
Maximum load current	32 A
Maximum total current	48 A
Nominal voltage	450 V
Connection cross sections directly pluggable	
Conductor cross section rigid	0.34 mm ² 4 mm ²
Conductor cross section, rigid [AWG]	24 12 (converted acc. to IEC)



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Conductor cross-section flexible (ferrule without plastic sleeve)	0.34 mm² 2.5 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	0.34 mm² 2.5 mm²
Dimensions	
Width	16 mm
Height	28.6 mm
Depth	22.7 mm
Material specifications	
Color	black
Flammability rating according to UL 94	V0
Insulating material group	1
Insulating material	РА
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

Mechanical properties

Mechanical data	
Open side panel	No

Mechanical tests

Attachment on the carrier

Result	Test passed
Note	When aligning several blocks, it is recommended to either place a DIN rail adapter underneath the connection point or a flange element between the blocks.
	For versions with 6 or 7 connections, it is enough to place one DIN rail adapter centrally per block and place flange elements after every other block.
	When using the DIN rail adapter PTFIX-NS35, an aligned block must not protrude by more than a half.

Environmental and real-life conditions

Needle-flame test	
Time of exposure	30 s



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SpecificationDIN EN 50155 (VDE 0115-200):2008-03SpectrumService life test category 2, bogie-mountedFrequencyf, = 5 Hz to f_ = 250 HzASD level6.12 (m/s ⁻) ⁷ /HzAcceleration3.12gTest duration per axis5 hTest directionsX., Y- and Z-axisResultTest passedvocks	Result	Test passed
Spectrum Service life test category 2, bogie-mounted Frequency f, = 5 Hz to f_ = 250 Hz ASD level 6.12 (m/s ³) ² /Hz Acceleration 3.12g Test duration per axis 5 h Test directions X. Y - and Z-axis Result Test passed rocks	scillation/broadband noise	
Frequency f, = 5 Hz to f_2 = 250 Hz ASD level 6.12 (m/s ⁷) ⁷ Hz Acceleration 3.12g Test duration per axis 5 h Test duration per axis 7 N, Y and Z-axis Result Test passed rocks 5 Specification DIN EN 50155 (VDE 0115-200):2008-03 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 moderation 30g Shock duration 18 ms Number of shocks per direction 3 Result Test passed moderation 2.5 C 60 °C (for a short time, no longer than 24 h, -60 °C to a short time, no longer than 24 h, -60 °C to a short time, no longer than 24 h, -60 °C to a short time, no longer than 24 h, -60 °C to a short time, no longer than 24 h, -60 °C to a short time, no longer than 24 h, -60 °C to a short time, no longer than 24 h, -60 °C to a short time, no longer than 24 h, -60 °C to a short time, no longer than 24 h, -60 °C to a short time, no longer than 24 h, -60 °C to a short time, no longer than 24 h, -60 °C to a short time, no longer than 24 h, -60 °C to a short time, no longer than 24 h, -60 °C to a short time, no longer	Specification	DIN EN 50155 (VDE 0115-200):2008-03
ASD level 6.12 (m/s ²) ⁴ Hz Acceleration 3.12g Test duration per axis 5 h Test duration per axis 5 h Test duration per axis 7 set passed Result Test passed nocks DIN EN 50155 (VDE 0115-200):2008-03 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 modern of shocks per direction 3 Result Test passed modern of shocks per direction 3 Result Test passed modern of shocks per direction 3 Andient temperature (operation) -35 °C 10 °C (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 (actuation) -5 °C 70 °C Ambient temperature (actuation) -5 °C 70 °C Permissible humidity (storage/transport) 20 % 90 % 90 % Permissible humidity (storag	Spectrum	Service life test category 2, bogie-mounted
Acceleration3.12gTest duration per axis5 hTest duration per axisX., Y- and Z-axisResultTest passedoocksDIN EN 50155 (VDE 0115-200):2008-03Pulse shapeHalf-sineAcceleration30gShock duration18 msNumber of shocks per direction3Test passedTest passedmilent conditionsX., Y- and Z-axis (pos. and neg.)ResultTest passedmbient temperature (operation)35 °C 110 °C (Operating temperature, see RTI Elec.)Ambient temperature (storage/transport)-55 °C 70 °CAmbient temperature (storage/transport)55 °C 70 °CPermissible humidity (storage/transport)20 % 90 %Arbient temperature (storage/transport)20 % 90 %Andred sand regulationsIce 60998-2-2Andred sand regulationsIce 60998-2-2	Frequency	$f_1 = 5 \text{ Hz to } f_2 = 250 \text{ Hz}$
Test duration per axis 5 h Test directions X, Y- and Z-axis Result Test passed nocks DIN EN 50155 (VDE 0115-200):2008-03 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 nbient conditions	ASD level	6.12 (m/s²)²/Hz
Test directions X., Y. and Z.axis Result Test passed nocks DIN EN 50155 (VDE 0115-200):2008-03 Specification DIN EN 50155 (VDE 0115-200):2008-03 Pulse shape Half-sine Acceleration 30g Shock duration 18 ms Number of shocks per direction 3 Result Test passed number of shocks per direction 3 Result Test passed nbient conditions -35 °C 110 °C (Operating temperature range incl. self-heatin for max. short-term operating temperature, see RTI Elec.) Ambient temperature (operation) -25 °C 60 °C (for a short time, no longer than 24 h, -60°C to -70°C) Ambient temperature (astrage/transport) -25 °C 70 °C Ambient temperature (actuation) -5 °C 70 °C Permissible humidity (operation) 20 % 90 % Permissible humidity (storage/transport) 20 % 90 % Connection in acc. with standard IEC 60998-2-2	Acceleration	3.12g
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Test directions X-, Y- and Z-axis (pos. and neg.) Result Test passed nbient conditions -35 °C 110 °C (Operating temperature range incl. self-heating for max. short-term operating temperature, see RTI Elec.) Ambient temperature (storage/transport) -35 °C 10 °C (Operating temperature, see RTI Elec.) Ambient temperature (assembly) -5 °C 70 °C Ambient temperature (actuation) -5 °C 70 °C Permissible humidity (storage/transport) 20 % 90 % Andards and regulations IEC 60998-2-2 Integ IEC 60998-2-2	Shock duration	18 ms
Result Test passed Inbient conditions -35 °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 % Indards and regulations IEC 60998-2-2	Number of shocks per direction	3
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Permissible humidity (operation) 20 % 90 % Permissible humidity (storage/transport) 30 % 70 % adards and regulations IEC 60998-2-2 Inting IEC 60998-2-2	Ambient temperature (assembly)	-5 °C 70 °C
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IEC 60998-2-2	Permissible humidity (operation)	20 % 90 %
Connection in acc. with standard IEC 60998-2-2	Permissible humidity (storage/transport)	30 % 70 %
Inting	ndards and regulations	
	Connection in acc. with standard	IEC 60998-2-2
-	unting	
	-	adhesive

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Classifications

ECLASS

	ECLASS-11.0	27141120
	ECLASS-13.0	27250118
ETIM		
	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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