

3247054

https://www.phoenixcontact.com/pc/products/3247054

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High-current terminal block, nom. voltage: 1000 V, nominal current: 232 A, number of connections: 2, connection method: Screw connection, Rated cross section: 95 mm², cross section: 25 mm² - 95 mm², mounting type: NS 35/15, NS 32, color: black/yellow

Your advantages

- · Reliable cable connection is ensured by three-point centering of the conductor in the prismatic sleeve base
sr/>
- · Screw locking by means of spring-loaded elements in the clamping part
- · Low contact resistance of the contact surface due to ribbing

Commercial data

Item number	3247054
Packing unit	3 pc
Minimum order quantity	3 pc
Product key	BE1311
GTIN	4046356707206
Weight per piece (including packing)	227.766 g
Weight per piece (excluding packing)	203 g
Customs tariff number	85369010
Country of origin	IN



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Technical data

Product properties

Product type	High current terminal block
Number of connections	2
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	7.54 W

Connection data

Number of connections per level	2
Nominal cross section	95 mm²

Level 1 above 1 below 1		
Screw thread	M8	
Note	Screws with hexagonal socket	
Tightening torque	15 20 Nm	
Stripping length	33 mm	
Connection in acc. with standard	IEC 60947-7-1	
Conductor cross section rigid	25 mm² 95 mm²	
Cross section AWG	2 3/0 (converted acc. to IEC)	
Conductor cross section flexible	35 mm² 95 mm²	
Conductor cross section, flexible [AWG]	1/0 3/0 (converted acc. to IEC)	
Conductor cross-section flexible (ferrule without plastic sleeve)	35 mm² 95 mm²	
Flexible conductor cross section (ferrule with plastic sleeve)	35 mm² 95 mm²	
Cross-section with insertion bridge, rigid	95 mm²	
Cross-section with insertion bridge, flexible	70 mm²	
2 conductors with same cross section, solid	25 mm² 35 mm²	
2 conductors with same cross section, flexible	25 mm² 35 mm²	
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	16 mm² 35 mm²	
Nominal current	232 A	
Maximum load current	232 A	
Nominal voltage	1000 V	
Note	Note: Product releases, connection cross sections and notes on connecting aluminum cables can be found in the download area.	
Nominal cross section	95 mm²	



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Ex data

Rated data (ATEX/IECEx)

Identification	
Operating temperature range	-60 °C 110 °C
Ex-certified accessories	1201934 VDE-ISS 6
	1201659 E/AL-NS 32
	1201662 E/AL-NS 35
List of bridges	Insertion bridge / EB 2-25/UKH / 0201362
	Insertion bridge / EB 3-25/UKH / 0201375
Bridge data	177 A (95 mm²)
Ex temperature increase	40 K (238.1 A / 95 mm²)
Rated voltage	880 V
at bridging with insertion bridge	690 V
Rated insulation voltage	800 V
output	(Permanent)

Ex level General

Rated current	216 A
Maximum load current	216 A
Contact resistance	0.06 mΩ

Ex connection data General

Torque range	15 Nm 20 Nm
Nominal cross section	95 mm²
Rated cross section AWG	3/0
Connection capacity rigid	25 mm² 95 mm²
Connection capacity AWG	4 3/0
Connection capacity flexible	35 mm² 95 mm²
Connection capacity AWG	2 3/0
2 conductors with same cross section, solid	25 mm² 35 mm²
2 conductors with the same cross-section AWG rigid	4 2
2 conductors with same cross section, stranded	25 mm² 35 mm²
2 conductors with the same cross-section AWG flexible	4 2

Dimensions

Dimensional drawing	
Width	25 mm
Height	83 mm
Depth on NS 32	95 mm



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Color multicolored black (RAL 9005) yellow (RAL 1018) Flammability rating according to UL 94 Insulating material group Insulating material Insul	Depth on NS 35/15	97.5 mm	
black (RAL 9005) yellow (RAL 1018) Flammability rating according to UL 94	terial specifications		
yellow (RAL 1018) Flammability rating according to UL 94 V0 Insulating material group I Insulating material group I Insulating material group I Insulating material group I Insulating material PA Actrical tests Surge voltage test Result	Color	multicolored	
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Conductor cross section/weight 25 mm² / 4.5 kg 35 mm² / 6.8 kg	Rotation speed	10 (+/- 2) rpm	
35 mm² / 6.8 kg	Revolutions	135	
	Conductor cross section/weight	25 mm² / 4.5 kg	
95 mm²/14 kg		35 mm² / 6.8 kg	
		95 mm²/14 kg	



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Result	Test passed
ironmental and real-life conditions	
eedle-flame test	
Time of exposure	30 s
Result	Test passed
scillation/broadband noise	
Specification	DIN EN 50155 (VDE 0115-200):2022-06
Spectrum	Long life test category 2, bogie-mounted
Frequency	f ₁ = 5 Hz to f ₂ = 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
nocks	
Specification	DIN EN 50155 (VDE 0115-200):2022-06
Pulse shape	Half-sine
Acceleration	5g
Shock duration	30 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Result	Test passed
nbient 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 (actuation)	-5 °C 70 °C
Permissible humidity (operation)	20 % 90 %
Permissible humidity (storage/transport)	30 % 70 %
adanda and namidations	
ndards and regulations	IFO 00047 7 4
Connection in acc. with standard	IEC 60947-7-1
ınting	
Mounting type	NS 35/15
	NS 32
Terminal block mounting	15 Nm 20 Nm (PE foot with mounting screw, M8)



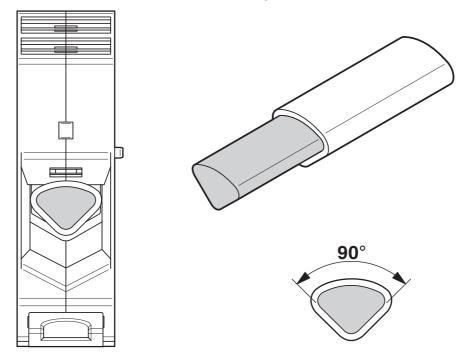
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Drawings

Dimensional drawing

Schematic diagram



Connecting aluminum cables. Further notes can be found in the download area



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Circuit diagram





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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/pc/products/3247054

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Approval ID: TAE00001CT

CSA Approval ID: 13631				
	Nominal voltage U_N	Nominal current I _N	Cross section AWG	Cross section mm ²
Use group B				
	600 V	200 A	2 - 4/0	-
Use group C				
	600 V	200 A	2 - 4/0	-

CULus Recognized Approval ID: E60425				
	Nominal voltage U_N	Nominal current I _N	Cross section AWG	Cross section mm ²
Use group B				
	600 V	230 A	2 - 4/0	-
Multi-conductor connection	600 V	230 A	4 - 2	-
Use group C				
	600 V	230 A	2 - 4/0	-
Multi-conductor connection	600 V	230 A	4 - 2	-



LR

Approval ID: LR2041789TA-02



ATEX

Approval ID: KEMA98ATEX1786U



EAC Ex

Approval ID: KZ 7500525010101950



IECEx

Approval ID: IECEx KEM 06.0029U



CCC



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Approval ID: 2020322313000623		

⟨Ex ⟩	UKCA-EX
€	Approval ID: DEKRA 21UKEX0307U

UL Comp Hazloc CA U Approval ID: UL US CA L 1929				
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
	600 V	230 A	2 - 4/0	-

cULus Recognized



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Classifications

ECLASS

	ECLASS-11.0	27141120		
	ECLASS-13.0	27250101		
ETIM				
	1141			
	ETIM 9.0	EC000897		
UNSPSC				
	UNSPSC 21.0	39121400		



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Environmental product compliance

EU RoHS

20 1.01.0	
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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