AGK 10-PTPOWER - Pick-off terminal block

3260145

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Pick-off terminal block, nom. voltage: 1000 V, nominal current: 57 A, number of connections: 2, connection method: Push-in connection, Rated cross section: 10 mm^2, cross section: 0.5 mm^2 - 16 mm^2, mounting type: on base element, color: gray

Your advantages

- Large-surface marking
- The fully insulated, optionally used pick-off terminal block enables voltage pick-off
- Pick-off terminal block, for snapping into the side insertion funnel

Commercial data

Item number	3260145
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	BE29
Product key	BE2ZWX
GTIN	4046356779074
Weight per piece (including packing)	23.4 g
Weight per piece (excluding packing)	19 g
Customs tariff number	85369010
Country of origin	TR

Technical data

Notes

General	For use with PTPOWER 50, 95, 150, and 185 PowerTurn high-current terminal blocks

General

Note	The max. load current must not be exceeded by the total current of all connected conductors.

Product properties

Product type	Pick-off terminal
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	1.82 W

Connection data

Number of connections per level	2
Nominal cross section	10 mm²
Connection method	Push-in connection
Stripping length	18 mm
Internal cylindrical gage	A6
Conductor cross-section rigid	0.5 mm² ... 16 mm²
Cross section AWG	20 ... 6 (converted acc. to IEC)
Conductor cross-section flexible	0.5 mm² ... 16 mm²
Conductor cross-section, flexible [AWG]	20 ... 6 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm² ... 10 mm²
Flexible conductor cross-section (ferrule with plastic sleeve)	0.5 mm² ... 10 mm²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	1.5 mm² ... 4 mm²
Nominal cross section	10 mm²
Nominal current	57 A
Maximum load current	57 A (The maximum load current must not be exceeded by the total current of all connected conductors.)
Nominal voltage	1000 V AC 1500 V DC

Connection cross sections directly pluggable

Conductor cross-section rigid	1 mm² ... 16 mm²

Conductor cross-section flexible (ferrule without plastic sleeve)	4 mm² ... 10 mm²
Flexible conductor cross-section (ferrule with plastic sleeve)	2.5 mm² ... 10 mm²
Conductor cross-section flexible, with TWIN ferrule with plastic sleeve	2.5 mm² ... 4 mm²

Ex data

Rated data (ATEX/IECEx)

Identification	Ⓔx II 2 GD Ex eb IIC Gb
Operating temperature range	-60 °C ... 110 °C
Ex-certified accessories	1204517 SZF 1-0,6X3,5
Ex temperature increase	40 K (51 A / 10 mm²)
Rated insulation voltage	1000 V
output	(Permanent)

Ex level General

Rated voltage	1100 V
Rated current	50 A
Maximum load current	50 A
Contact resistance	1.05 mΩ

Ex connection data General

Ferrule length	18 mm
Stripping length	18 mm
Nominal cross section	10 mm²
Rated cross section AWG	6
Connection capacity rigid	0.5 mm² ... 16 mm²
Connection capacity AWG	20 ... 6
Conductor cross-section flexible, with ferrule without plastic sleeve min.	1.5 mm²
Conductor cross-section flexible, with ferrule without plastic sleeve max.	10 mm²
Single conductor/terminal point, flexible, with ferrule, without plastic sleeve, AWG	20 ... 8

Dimensions

Width	17.5 mm
Height	35 mm
Depth	34.7 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

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

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 10 mm²	1.2 kA
Result	Test passed

Power-frequency withstand voltage

Test voltage setpoint	2.2 kV AC
Result	Test passed

Mechanical properties

Mechanical data

Open side panel	No

Mechanical tests

Mechanical strength

Result	Test passed

Test for conductor damage and slackening

Rotation speed	9 rpm
Revolutions	135
Conductor cross-section/weight	0.5 mm² / 0.3 kg
	10 mm² / 2 kg
	16 mm² / 2.9 kg
Result	Test passed

Environmental 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	EN 50155:2021-07
Spectrum	Long life test category 1, class B, body mounted
Frequency	f_1 = 5 Hz to f_2 = 150 Hz
ASD level	0.964 (m/s²)²/Hz
Acceleration	5.72 m/s²
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Result	Test passed

Shocks

Pulse shape	Half-sine
Acceleration	50 m/s²
Shock duration	30 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Result	Test passed

Ambient conditions

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 (storage/transport)	30 % ... 70 %

Mounting

Mounting type	on base element

Drawings

Circuit diagram



Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/3260145

CSA
Approval ID: 13631

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
B				
	600 V	57 A	20 - 6	-
C				
	600 V	57 A	20 - 6	-

cUL Recognized
Approval ID: E60425

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
C				
	1000 V	57 A	20 - 6	-

UL Recognized
Approval ID: E60425

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
E				
	1000 V	57 A	20 - 6	-

EAC
Approval ID: RU C-DE.BL08.B.00644

EAC Ex
Approval ID: RU C-DE.Ax07.B.03227

IECEx
Approval ID: IECExSEV14.0013U

ATEX
Approval ID: SEV14ATEX0156U

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
Only rigid conductors	1100 V	50 A	-	0.5 - 16
multi-stranded with ferrule	1100 V	50 A	-	0.5 - 10

CCC
Approval ID: 2020322313000630

UKCA-EX
Approval ID: CML 22UKEX1227U

IECEx
Approval ID: IECExSEV14.0013U

EAC Ex
Approval ID: KZ 7500525010101950

Classifications

ECLASS

ECLASS-13.0	27250308
ECLASS-15.0	27250308

ETIM

ETIM 10.0	EC000897

UNSPSC

UNSPSC 21.0	39121400

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%

EF3.1 Climate Change

CO2e kg	0.201 kg CO2e

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