

AGK 10-PTPOWER - Pick-off terminal block



3260145

<https://www.phoenixcontact.com/sg/products/3260145>

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Pick-off terminal block, nom. voltage: 1500 V, nominal current: 57 A, number of connections: 2, connection method: Push-in connection, 1 level, Rated cross section: 10 mm², cross section: 0.5 mm² - 16 mm², 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	*****
Product key	BE2ZWX
Catalog page	Page 136 (C-1-2019)
GTIN	4046356779074
Weight per piece (including packing)	22.9 g
Weight per piece (excluding packing)	19 g
Customs tariff number	85369010
Country of origin	PL

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Technical data

Notes

General	For use with PTPOWER 50, 95, 150, and 185 PowerTurn high-current terminal blocks
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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 mm ²

1 level

Stripping length	18 mm
Internal cylindrical gage	A6
Conductor cross section rigid	0.5 mm ² ... 16 mm ²
Cross section AWG	20 ... 6 (converted acc. to IEC)
Conductor cross section flexible	0.5 mm ² ... 10 mm ²
Conductor cross section, flexible [AWG]	20 ... 8 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm ² ... 10 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.5 mm ² ... 10 mm ²
Conductor cross-section flexible (2 conductors with the same cross-section, with TWIN ferrule and plastic sleeve)	0.5 mm ² ... 4 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	1.5 mm ² ... 4 mm ²
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	1500 V
Nominal cross section	10 mm ²

1 level Connection cross sections directly pluggable

Conductor cross section rigid	1 mm ² ... 16 mm ²
Conductor cross-section flexible (ferrule without plastic sleeve)	4 mm ² ... 10 mm ²

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Flexible conductor cross section (ferrule with plastic sleeve)	2.5 mm ² ... 10 mm ²
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Ex data

Rated data (ATEX/IECEX)

Identification	⊕ 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 mm ²)
Rated voltage	1100 V
Rated insulation voltage	1000 V
output	(Permanent)

Ex level General

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 mm ²
Rated cross section AWG	6
Connection capacity rigid	0.5 mm ² ... 16 mm ²
Connection capacity AWG	20 ... 6
Conductor cross section flexible, with ferrule without plastic sleeve min.	1.5 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	10 mm ²
Single conductor/terminal point, flexible, with ferrule, without plastic sleeve, AWG	20 ... 8

Dimensions

Width	18.5 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
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

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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

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 mm ²	1.2 kA
Result	Test passed

Power-frequency withstand voltage

Result	Test passed
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Mechanical properties

Mechanical data

Open side panel	No
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Mechanical tests

Mechanical strength

Result	Test passed
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Test for conductor damage and slackening

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

Environmental and real-life conditions

Aging

Temperature cycles	192
Result	Test passed

Needle-flame test

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Time of exposure	30 s
Result	Test passed

Oscillation/broadband noise

Specification	DIN EN 50155 (VDE 0115-200):2008-03
Spectrum	Long life test category 2, bogie-mounted
Frequency	$f_1 = 5 \text{ Hz}$ to $f_2 = 250 \text{ Hz}$
ASD level	$6.12 \text{ (m/s}^2\text{)}^2\text{/Hz}$
Acceleration	3.12g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Result	Test passed

Shocks

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

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
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Drawings

Circuit diagram



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Approvals

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 **CSA**
Approval ID: 13631


 **cUL Recognized**
Approval ID: E60425

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

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


 **CSA**
Approval ID: 13631

 **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
Only rigid conductors	1100 V	50 A	-	0.5 - 16
multi-stranded with ferrule	1100 V	50 A	-	0.5 - 10

 **CCC**

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Approval ID: 2020322313000630



UKCA-EX

Approval ID: CML 22UKEX1227U



IECEX

Approval ID: IECExSEV14.0013U



EAC Ex

Approval ID: KZ 7500525010101950

cULus Recognized

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Classifications

ECLASS

ECLASS-11.0	27141151
ECLASS-12.0	27141151
ECLASS-13.0	27250308

ETIM

ETIM 9.0	EC000897
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UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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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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