

AGK 10-UKH 95 - Pick-off terminal block



3003541

<https://www.phoenixcontact.com/us/products/3003541>

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Pick-off terminal block, nom. voltage: 1000 V, nominal current: 57 A, number of connections: 1, connection method: Screw connection, Rated cross section: 10 mm², cross section: 0.5 mm² - 10 mm², mounting type: on base element, color: gray

Your advantages

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

Commercial data

Item number	3003541
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	BE19
Product key	BE1ZWX
GTIN	4017918106980
Weight per piece (including packing)	15.21 g
Weight per piece (excluding packing)	15.07 g
Customs tariff number	85369010
Country of origin	PL

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Technical data

Product properties

Product type	Pick-off terminal
Number of connections	1
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	1
Nominal cross section	10 mm ²
Connection method	Screw connection
Tightening torque	1.5 ... 1.8 Nm
Stripping length	10 mm
Internal cylindrical gage	B6
Connection in acc. with standard	IEC 60947-7-1
Conductor cross-section rigid	0.5 mm ² ... 10 mm ²
Cross section AWG	20 ... 8 (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 ... 6 mm ²
2 conductors with same cross section, rigid	0.5 mm ² ... 4 mm ²
2 conductors with same cross section, flexible	0.5 mm ² ... 4 mm ²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	0.5 mm ² ... 2.5 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm ² ... 6 mm ²
Nominal cross section	10 mm ²
Nominal current	57 A
Maximum load current	76 A (with 10 mm ² conductor cross-section)
Nominal voltage	1000 V

Ex data

Rated data (ATEX/IECEx)

Identification	⊕ II 2 GD Ex eb IIC Gb
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Operating temperature range	-60 °C ... 110 °C
Ex-certified accessories	1212589 SF-SL 1,0X5,5-125 S-VDE
Ex temperature increase	40 K (62.7 A / 10 mm ²)
Rated insulation voltage	800 V
output	(Permanent)

Ex level General

Rated voltage	880 V
Rated current	57 A
Maximum load current	57 A
Contact resistance	0.6 mΩ

Ex connection data General

Torque range	1.5 Nm ... 1.8 Nm
Nominal cross section	10 mm ²
Rated cross section AWG	8
Connection capacity rigid	0.5 mm ² ... 10 mm ²
Connection capacity AWG	20 ... 8
Connection capacity flexible	0.5 mm ² ... 10 mm ²
Connection capacity AWG	20 ... 8
2 conductors with same cross section, solid	0.5 mm ² ... 6 mm ²
2 conductors with the same cross-section AWG rigid	20 ... 10
2 conductors with same cross section, stranded	0.5 mm ² ... 6 mm ²
2 conductors with the same cross-section AWG flexible	20 ... 10

Dimensions

Width	10.2 mm
Height	20.7 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))	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

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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
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Environmental and real-life conditions

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 (actuation)	-5 °C ... 70 °C
Permissible humidity (operation)	20 % ... 90 %
Permissible humidity (storage/transport)	30 % ... 70 %

Standards and regulations

Connection in acc. with standard	IEC 60947-7-1
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Mounting

Mounting type	on base element
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Drawings

Circuit diagram



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Approvals


To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3003541>

 CSA Approval ID: 13631				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	600 V	65 A	24 - 6	-

 cULus Recognized Approval ID: E60425				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
B				
	600 V	65 A	24 - 6	-
Multi-conductor connection	600 V	65 A	20 - 10	-
C				
	600 V	65 A	24 - 6	-
Multi-conductor connection	600 V	65 A	20 - 10	-

 ATEX Approval ID: KEMA98ATEX1786U				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
Type examination certificate	880 V	57 A	-	0.5 - 10

 EAC Ex Approval ID: RU C-DE.Ax07.B.03227				
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 IECEX Approval ID: IECEXKEM06.0029U				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	880 V	57 A	-	0.5 - 10

 CCC Approval ID: 2020322313000623				
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UKCA-EX

Approval ID: DEKRA 21UKEX0307U



EAC Ex

Approval ID: KZ 7500525010101950

UL Comp Hazloc CA US

Approval ID: UL US CA L 192998

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	600 V	65 A	24 - 6	-

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Classifications

ECLASS

ECLASS-13.0	27250308
ECLASS-15.0	27250308

ETIM

ETIM 10.0	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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EF3.1 Climate Change

CO2e kg	0.093 kg CO2e
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