

# AGK 4-UT 16 - Pick-off terminal block



3047125

<https://www.phoenixcontact.com/us/products/3047125>

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Pick-off terminal block, nom. voltage: 1000 V, nominal current: 32 A, number of connections: 1, connection method: Screw connection, cross section: 0.14 mm<sup>2</sup> - 6 mm<sup>2</sup>, 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	3047125
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE19
Product key	BE1ZWX
Catalog page	Page 184 (C-1-2019)
GTIN	4046356055895
Weight per piece (including packing)	6.013 g
Weight per piece (excluding packing)	6.013 g
Customs tariff number	85369010
Country of origin	PL

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## Technical data

### Notes

#### General

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

Product type	Pick-off terminal
Number of connections	1
Number of rows	1
Potentials	1

#### Insulation characteristics

Overvoltage category	III
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### Electrical properties

Rated surge voltage	8 kV
Maximum power dissipation for nominal condition	1.02 W

### Connection data

Number of connections per level	1
Nominal cross section	4 mm <sup>2</sup>
Rated cross section AWG	10
Screw thread	M3
Tightening torque	0.6 ... 0.8 Nm
Stripping length	9 mm
Internal cylindrical gage	A4
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section rigid	0.14 mm <sup>2</sup> ... 6 mm <sup>2</sup>
Cross section AWG	26 ... 10 (converted acc. to IEC)
Conductor cross section flexible	0.14 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross section, flexible [AWG]	26 ... 12 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.25 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Flexible conductor cross section (ferrule with plastic sleeve)	0.25 mm <sup>2</sup> ... 4 mm <sup>2</sup>
2 conductors with same cross section, solid	0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
2 conductors with same cross section, flexible	0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	0.25 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm <sup>2</sup> ... 1 mm <sup>2</sup>
Nominal current	32 A (with 4 mm <sup>2</sup> conductor cross section)
Maximum load current	41 A (with 6 mm <sup>2</sup> conductor cross section)
Nominal voltage	1000 V

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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 (36 A/4 mm²)
Rated voltage	690 V
Rated insulation voltage	630 V
output	(Permanent)

### Ex level General

Rated current	32 A
Maximum load current	41 A
Contact resistance	0.43 mΩ

### Ex connection data General

Torque range	0.6 Nm ... 0.8 Nm
Nominal cross section	4 mm²
Rated cross section AWG	12
Connection capacity rigid	0.14 mm² ... 6 mm²
Connection capacity AWG	26 ... 10
Connection capacity flexible	0.14 mm² ... 4 mm²
Connection capacity AWG	26 ... 12
2 conductors with same cross section, solid	0.14 mm² ... 1.5 mm²
2 conductors with the same cross-section AWG rigid	26 ... 16
2 conductors with same cross section, stranded	0.14 mm² ... 1.5 mm²
2 conductors with the same cross-section AWG flexible	26 ... 16

## Dimensions

Width	8.1 mm
Height	39.4 mm
Depth	24.7 mm
Depth on NS 35/7,5	55.7 mm
Depth on NS 35/15	63.2 mm

## Material specifications

Color	gray
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

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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 $\leq 45$ K
Result	Test passed
Short-time withstand current 4 mm <sup>2</sup>	0.48 kA
Short-time withstand current 6 mm <sup>2</sup>	0.72 kA
Result	Test passed

### Power-frequency withstand voltage

Test voltage setpoint	2.2 kV
Result	Test passed

## Mechanical properties

### Mechanical data

Open side panel	No
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## Mechanical tests

### Mechanical strength

Result	Test passed
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### Attachment on the carrier

DIN rail/fixing support	NS 35
Test force setpoint	5 N
Result	Test passed

### Test for conductor damage and slackening

Rotation speed	10 rpm
Revolutions	135
Conductor cross section/weight	0.14 mm <sup>2</sup> / 0.2 kg
	4 mm <sup>2</sup> / 0.9 kg
	6 mm <sup>2</sup> / 1.4 kg
Result	Test passed

## Environmental and real-life conditions

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## Needle-flame test

Time of exposure	30 s
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 %

## 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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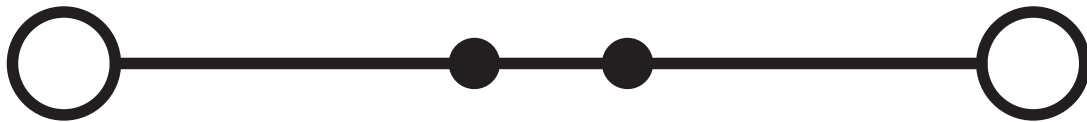


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## Drawings

Circuit diagram



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## Approvals


To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3047125>


 <b>cULus Recognized</b> Approval ID: E60425				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
Use group B	600 V	30 A	26 - 10	-
Use group C	600 V	30 A	26 - 10	-

 <b>ATEX</b> Approval ID: KEMA04ATEX2048U				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
Only flexible conductors	690 V	32 A	-	0.14 - 4
Only rigid conductors	690 V	41 A	-	0.14 - 6

 <b>cUL Recognized</b> Approval ID: E192998				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
Use group B	600 V	30 A	26 - 10	26 - 10
Use group C	600 V	30 A	26 - 10	26 - 10

 <b>EAC Ex</b> Approval ID: RU C-DE.Ax07.B.03227				
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 <b>IECEx</b> Approval ID: IECEx KEM 06.0027U				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
Only flexible conductors	690 V	32 A	-	0.14 - 4
Only rigid conductors	690 V	41 A	-	0.14 - 6

 <b>UL Recognized</b> Approval ID: E192998				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
Use group B	600 V	30 A	26 - 10	-

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Use group C				
	600 V	30 A	26 - 10	-



**CCC**  
Approval ID: 2020322313000622



**UKCA-EX**  
Approval ID: DEKRA 21UKEX0304U

**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
Exemption	6(c)
China RoHS	
Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
EU REACH SVHC	
REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	20831053-1aab-4c20-9ead-1c25f2a1e600

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## Accessories

### SZS 0,6X3,5 VDE - Screwdriver

1212602

<https://www.phoenixcontact.com/us/products/1212602>



Screwdriver, slot-headed, VDE insulated, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

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### SZF 1-0,6X3,5 - Screwdriver

1204517

<https://www.phoenixcontact.com/us/products/1204517>



Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

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## SF-SL 0,6X3,5-100 - Screwdriver

1212549

<https://www.phoenixcontact.com/us/products/1212549>



Screwdriver, bladed (lasered), size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

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