

AGK 4-UT 16 - Pick-off terminal

3047125

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

Please be informed that the data shown in this PDF document is generated from our Online Catalog. Please find the complete data in the user documentation. Our General Terms of Use for Downloads are valid.



Pick-off terminal, nom. voltage: 1000 V, nominal current: 32 A, number of connections: 1, connection method: Screw connection, cross section: 0.14 mm² - 6 mm², mounting type: on base element, color: gray

Your advantages

- The fully insulated, optional use pick-off terminal block enables voltage pick-off
- Large-surface marking
- Pick-off terminal block, for snapping into the lateral guide

Commercial Data

Item number	3047125
Packing unit	1 pc
Minimum order quantity	1 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

AGK 4-UT 16 - Pick-off terminal



3047125

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

Technical Data

Notes

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	1
Number of rows	1
Potentials	1

Insulation characteristics

Overvoltage category	III
----------------------	-----

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 ²
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 ² ... 6 mm ²
Cross section AWG	26 ... 10 (converted acc. to IEC)
Conductor cross section flexible	0.14 mm ² ... 4 mm ²
Conductor cross section, flexible [AWG]	26 ... 12 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.25 mm ² ... 4 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.25 mm ² ... 4 mm ²
2 conductors with same cross section, solid	0.14 mm ² ... 1.5 mm ²
2 conductors with same cross section, flexible	0.14 mm ² ... 1.5 mm ²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	0.25 mm ² ... 1.5 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm ² ... 1 mm ²
Nominal current	32 A (with 4 mm ² conductor cross section)
Maximum load current	41 A (with 6 mm ² conductor cross section)
Nominal voltage	1000 V

AGK 4-UT 16 - Pick-off terminal



3047125

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

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 mm ²)
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 mm ²
Rated cross section AWG	12
Connection capacity rigid	0.14 mm ² ... 6 mm ²
Connection capacity AWG	26 ... 10
Connection capacity flexible	0.14 mm ² ... 4 mm ²
Connection capacity AWG	26 ... 12
2 conductors with same cross section, solid	0.14 mm ² ... 1.5 mm ²
2 conductors with the same cross-section AWG rigid	26 ... 16
2 conductors with same cross section, stranded	0.14 mm ² ... 1.5 mm ²
2 conductors with the same cross-section AWG flexible	26 ... 16

Dimensions

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

AGK 4-UT 16 - Pick-off terminal



3047125

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

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 \leq 45 K
Result	Test passed
Short-time withstand current 4 mm ²	0.48 kA
Short-time withstand current 6 mm ²	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
-----------------	----

Mechanical tests

Mechanical strength

Result	Test passed
--------	-------------

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 ² / 0.2 kg
	4 mm ² / 0.9 kg
	6 mm ² / 1.4 kg
Result	Test passed

Environmental and real-life conditions

AGK 4-UT 16 - Pick-off terminal



3047125

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

Needle-flame test

Time of exposure	30 s
Result	Test passed

Ambient conditions

Ambient temperature (operation)	-60 °C ... 105 °C (max. short-term operating temperature 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 (storage/transport)	30 % ... 70 %

Standards and regulations

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

Mounting

Mounting type	on base element
---------------	-----------------

AGK 4-UT 16 - Pick-off terminal

3047125

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



Drawings

Circuit diagram



AGK 4-UT 16 - Pick-off terminal





3047125


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


Approvals


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


 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	30 A	26 - 10	-
Use group C	600 V	30 A	26 - 10	-

 ATEX Approval ID: KEMA04ATEX2048U				
---	--	--	--	--

 cUL Recognized Approval ID: E192998				
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
Use group B	600 V	30 A	26 - 10	26 - 10
Use group C	600 V	30 A	26 - 10	26 - 10

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

 IECEX Approval ID: IECEX KEM 06.0027U				
---	--	--	--	--

 UL Recognized Approval ID: E192998				
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
Use group B	600 V	30 A	26 - 10	-
Use group C	600 V	30 A	26 - 10	-

 CCC Approval ID: 2020322313000622				
---	--	--	--	--

AGK 4-UT 16 - Pick-off terminal

3047125

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



UKCA-EX

Approval ID: DEKRA 21UKEX0304U

AGK 4-UT 16 - Pick-off terminal



3047125

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

Classifications

ECLASS

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

ETIM

ETIM 8.0	EC002021
----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

AGK 4-UT 16 - Pick-off terminal



3047125

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

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

AGK 4-UT 16 - Pick-off terminal

3047125

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



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

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

AGK 4-UT 16 - Pick-off terminal

3047125

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



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

Phoenix Contact 2023 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com