

Connection Terminal Block AKG 4...-EX

Article description	AKG 4 BU-EX AKG 4 BK-EX AKG 4 GNYE-EX
Article no.	0421061 (AKG 4 BU-EX) 0421058 (AKG 4 BK-EX) 0421045 (AKG 4 GNYE-EX)
EC-TYPE EXAMINATION CERTIFICATE IECEX Certificate	KIWA 14ATEX0011 U IECEX KIWA 14.0005 U
Marking	Ex eb IIC KIWA 14ATEX0011 U IECEX KIWA 14.0005 U
Assembly on bus bar	NLS-CU 3/10
Stripping length	16 mm
Torque	1,5-1,6 Nm
Operating temperature range	-60 °C ... +125 °C



Technical data according to IEC/EN 60079-7 (increased safety "e")

Nominal current	32 A (ΔT 40 K)	
Max. rated current	41 A (ΔT 40 K)	
Temperature rise	25 K (32 A / 4 mm ²)	25 K (41 A / 6 mm ²)
Contact resistance	0,08 m Ω	

Connection capacity

Rated cross section	4 mm ²	AWG 12
Max. conductor cross section	6 mm ² rigid	AWG 10
Connectable conductor cross sections	0,5 - 6 mm ² rigid	AWG 20 - 10
	0,5 - 4 mm ² flexible	AWG 20 - 12

Multi-conductor connection (2 conductors of the same cross-section and conductor type)

rigid / flexible	0,5 - 2,5 mm ²	AWG 20 - 14
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Accessories

	Description	Article no.
Support	AB/SS-EX	0404415
Busbar	NLS-CU 3/10	0402006

Important assembly instructions – increased safety “e”

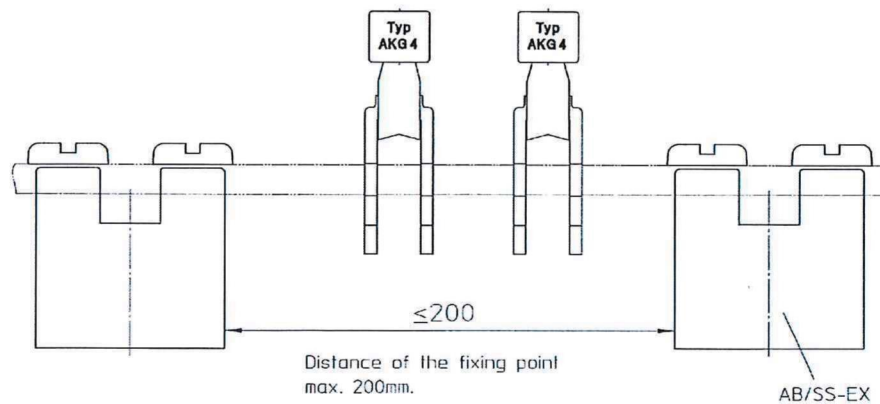
The Terminal Blocks are suitable for use in enclosures in atmospheres with flammable gases or combustible dust. For flammable gases these enclosures must satisfy the requirements according to IEC/EN 60079-0 and IEC/EN 60079-7. For combustible dust these enclosures must satisfy the requirements according to IEC/EN 60079-31

When assembling the Connection Terminal Blocks AKG 4...-EX with the bus bar NLS-CU 3/10 and the support AB/SS-EX, the required creepage distances and clearances to other live parts have to be observed.

If conductors with smaller cross section as the rated cross section are used, the belonging lower current has to be laid down in the EC-Type Examination Certificate of the complete apparatus.

The Connection Terminal Blocks may be used, based on the self-heating when used at the nominal current and at ambient temperatures of -60 °C to +40 °C at the mounting position in electrical apparatus, e.g. junction and connection boxes, for temperature class T6. When the Terminal Blocks are used in electrical apparatus of temperature classes T1 up to T5, the highest temperature of the insulating material shall not exceed the maximum value of the operating temperature range.

The Connection Terminal Blocks and their appropriate accessories have to be assembled as specified below. The use of the support AB/SS-EX for fixing the busbar is optional and must be specified in the end-use application.



Attestation of Conformity

The above mentioned product is in line with the provisions of the below marked directive and their modification directive(s):

2014/34/EU ATEX Directive

Compliance with Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0:2012+A11

EN 60079-7:2007

IEC 60079-0:2011 Ed.6.0

IEC 60079-7:2006 Ed.4

Current edition:*)

EN 60079-0:2012 + A11:2013

EN 60079-7:2015

IEC 60079-0:2011,

IEC 60079-7:2015

mod. + Cor.:2012 + Cor.:2013

Conformance with the provisions of the ATEX directive was certified by the following notified body:

Notified Body: KIWA Nederland B.V.

Adress: Sir Winston Churchillaan 273 Postbus 70
2280 AB RIJSWIJK, Netherlands

[Ident. No.: 0620]

Certificate: KIWA 14ATEX 0011 U, 2015-04-21
(No., Date)

*) The minor respectively formal changes of the new edition of the mentioned standards do not affect the EHSRs. Consequently the terminal blocks still comply with the relevant requirements of the ATEX Directive

Blomberg, 2018-10-16




i. A. Gerhard Leßmann
Business Unit Industrial Cabinet
Connectivity
Ex-Representative



Klaus Firschke
Business Unit Industrial Cabinet
Connectivity
Head of Product Marketing

This attestation certifies the conformity with the indicated directive, it does not, however, covenant any characteristics. The instructions for safety and installation have to be observed.

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