

Connection terminal block - AKG 16 BU - 0423014


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Connection terminal block, connection method: Screw connection, load current: 76 A, cross section: 1.5 mm² - 16 mm², width: 9.8 mm, color: blue

RoHS

Key Commercial Data

Packing unit	50 STK
GTIN	 4 017918 001995
GTIN	4017918001995
Weight per Piece (excluding packing)	10.426 g
Weight per piece (including packing)	10.727 g
Custom tariff number	85369010
Country of origin	India
Sales Key	A1 - Terminal Strips

Technical data

General

Color	blue
Insulating material	PA
Nominal cross section	16 mm ²
Flammability rating according to UL 94	V2
Maximum load current	76 A (with 16 mm ² conductor cross section)
Maximum power dissipation for nominal condition	2.43 W
Nominal current I _N	76 A
Maximum load current	76 A (with 16 mm ² conductor cross section)
Nominal voltage U _N	300 V
Result of the test for mechanical stability of terminal points (5 x conductor connection)	Test passed
Result of bending test	Test passed
Bending test rotation speed	10 rpm

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Technical data

General

Bending test turns	135
Bending test conductor cross section/weight	1.5 mm ² / 0.4 kg
	16 mm ² / 2.9 kg
Tensile test result	Test passed
Conductor cross section tensile test	1.5 mm ²
Tractive force setpoint	40 N
Conductor cross section tensile test	16 mm ²
Tractive force setpoint	100 N
Result of voltage-drop test	Test passed
Requirements, voltage drop	≤ 3.2 mV
Result of temperature-rise test	Test passed
Short circuit stability result	Test passed
Conductor cross section short circuit testing	16 mm ²
Short-time current	1.92 kA
Relative insulation material temperature index (Elec., UL 746 B)	125 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	125 °C

Dimensions

Length	23.4 mm
Width	9.8 mm

Connection data

Conductor cross section solid min.	1.5 mm ²
Conductor cross section solid max.	16 mm ²
Conductor cross section flexible min.	1.5 mm ²
Conductor cross section flexible max.	16 mm ²
Conductor cross section AWG min.	16
Conductor cross section AWG max.	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.	16 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	1.5 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	16 mm ²
2 conductors with same cross section, solid min.	1.5 mm ²
2 conductors with same cross section, solid max.	6 mm ²
2 conductors with same cross section, stranded min.	1.5 mm ²
2 conductors with same cross section, stranded max.	6 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	1.5 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	6 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	1.5 mm ²

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Technical data

Connection data

2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	10 mm ²
Connection method	Screw connection
Stripping length	16 mm
Screw thread	M5
Tightening torque, min	2.5 Nm
Tightening torque max	3 Nm

Standards and Regulations

Connection in acc. with standard	CSA
Flammability rating according to UL 94	V2

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Circuit diagram



Classifications

eCl@ss

eCl@ss 4.0	27141131
eCl@ss 4.1	27141131
eCl@ss 5.0	27141131
eCl@ss 5.1	27141131
eCl@ss 6.0	27141120
eCl@ss 7.0	27141120
eCl@ss 8.0	27141146
eCl@ss 9.0	27141146

ETIM

ETIM 2.0	EC000897
ETIM 3.0	EC000897
ETIM 4.0	EC000897
ETIM 5.0	EC000001
ETIM 6.0	EC000001

UNSPSC

UNSPSC 6.01	30211811
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Classifications

UNSPSC

UNSPSC 7.0901	39121410
UNSPSC 11	39121410
UNSPSC 12.01	39121410
UNSPSC 13.2	39121410

Approvals


Approvals


Approvals


CSA / UL Recognized / cUL Recognized / EAC / EAC / cULus Recognized

Ex Approvals

Approval details


CSA		http://www.csagroup.org/services-industries/product-listing/	13631
mm ² /AWG/kcmil		18-6	
Nominal current IN		65 A	

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
	B	C	
mm ² /AWG/kcmil	18-6	18-6	
Nominal current IN	50 A	50 A	
Nominal voltage UN	250 V	300 V	


cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
	B	C	
mm ² /AWG/kcmil	18-6	18-6	
Nominal current IN	50 A	50 A	
Nominal voltage UN	250 V	300 V	

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Approvals

EAC		7500651.22.01.00246
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EAC		EAC-Zulassung
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cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm
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