

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



Key Commercial Data

Packing unit	1 pc
Minimum order quantity	50 pc
GTIN	 4 017918 001995
Weight per Piece (excluding packing)	10.52 g
Custom tariff number	85369010
Country of origin	Germany

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)
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

Connection terminal block - AKG 16 BU - 0423014

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	23.7 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

Connection terminal block - AKG 16 BU - 0423014

Technical data

Connection data

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
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

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	27141120

ETIM

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

UNSPSC

UNSPSC 6.01	30211811
UNSPSC 7.0901	39121410
UNSPSC 11	39121410
UNSPSC 12.01	39121410

Connection terminal block - AKG 16 BU - 0423014

Classifications

UNSPSC

UNSPSC 13.2	39121410
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Approvals

Approvals

Approvals

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

Ex Approvals

Approvals submitted

Approval details

CSA 	
mm²/AWG/kcmil	18-6
Nominal current I _N	65 A

UL Recognized 		
	B	C
mm²/AWG/kcmil	18-6	18-6
Nominal current I _N	50 A	50 A
Nominal voltage U _N	250 V	300 V

cUL Recognized 		
	B	C
mm²/AWG/kcmil	18-6	18-6
Nominal current I _N	50 A	50 A

Connection terminal block - AKG 16 BU - 0423014

Approvals

	B	C
Nominal voltage UN	250 V	300 V

EAC

EAC

cULus Recognized 
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Accessories

Accessories

Labeled terminal marker

Zack marker strip - ZB 6 CUS - 0824992



Zack marker strip, can be ordered: Strip, white, labeled according to customer specifications, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm

Zack marker strip - ZB 6,LGS:FORTL.ZAHLEN - 1051016



Zack marker strip, Strip, white, labeled, can be labeled with: Plotter, Printed horizontally: Consecutive numbers 1 - 10, 11 - 20, etc. up to 491 - 500, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm

Zack marker strip - ZB 6,QR:FORTL.ZAHLEN - 1051029



Zack marker strip, Strip, white, labeled, can be labeled with: Plotter, Printed vertically: Consecutive numbers 1 - 10, 11 - 20, etc. up to 491 - 500, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm

Connection terminal block - AKG 16 BU - 0423014

Accessories

Zack marker strip - ZB 6,LGS:GLEICHE ZAHLEN - 1051032



Zack marker strip, Strip, white, labeled, can be labeled with: Plotter, Printed horizontally: Identical numbers 1 or 2, etc. up to 100, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm

Marker for terminal blocks - ZB 6,LGS:L1-N,PE - 1051414



Marker for terminal blocks, Strip, white, labeled, can be labeled with: Plotter, Horizontal: L1, L2, L3, N, PE, L1, L2, L3, N, PE, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm

Marker for terminal blocks - ZB 6,LGS:U-N - 1051430



Marker for terminal blocks, Strip, white, labeled, can be labeled with: Plotter, Printed horizontally: U, V, W, N, GND, U, V, W, N, GND, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm

Marker for terminal blocks - UC-TM 6 CUS - 0824589



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 5.6 x 10.5 mm

Marker for terminal blocks - UCT-TM 6 CUS - 0829602



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 5.6 x 10.5 mm

Neutral conductor rail

Connection terminal block - AKG 16 BU - 0423014

Accessories

Neutral busbar - NLS-CU 3/10 SN 1000MM - 0402174



PEN conductor busbar, 3mm x 10 mm, length: 1000 mm

Screwdriver tools

Screwdriver - SZS 1,0X4,0 VDE - 1205066



Screwdriver, slot-headed, VDE insulated, size: 1.0 x 4.0 x 100 mm, 2-component grip, with non-slip grip

Support

Support bracket - AB/SS - 0404428



Support bracket made from insulation material, with retaining screw, can be used with either 3 x 10 mm or 6 x 6 mm busbar, color: gray

Support bracket - ABN 2/SS - 0404460



Double support bracket, insulating material, optionally for use with 3 x 10 mm or 6 x 6 mm busbar, height in closed state: 39 mm

Support bracket - UAB 1 - 3032431



Support bracket, Number of positions: 1, Width: 2 mm, Color: gray

Connection terminal block - AKG 16 BU - 0423014

Accessories

Support bracket - AB2/SS - 0404431



Double support bracket, insulating material, optionally for use with 3 mm x 10 mm or 6 mm x 6 mm busbar, height: 48 mm

Terminal marking

Zack marker strip - ZB 6:UNBEDRUCKT - 1051003



Zack marker strip, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm

Marker for terminal blocks - UC-TM 6 - 0818085



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK CLED, BLUEMARK LED, Plotter, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 5.6 x 10.5 mm

Marker for terminal blocks - UCT-TM 6 - 0828736



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: THERMOMARK CARD, BLUEMARK CLED, BLUEMARK LED, TOPMARK LASER, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 5.6 x 10.5 mm

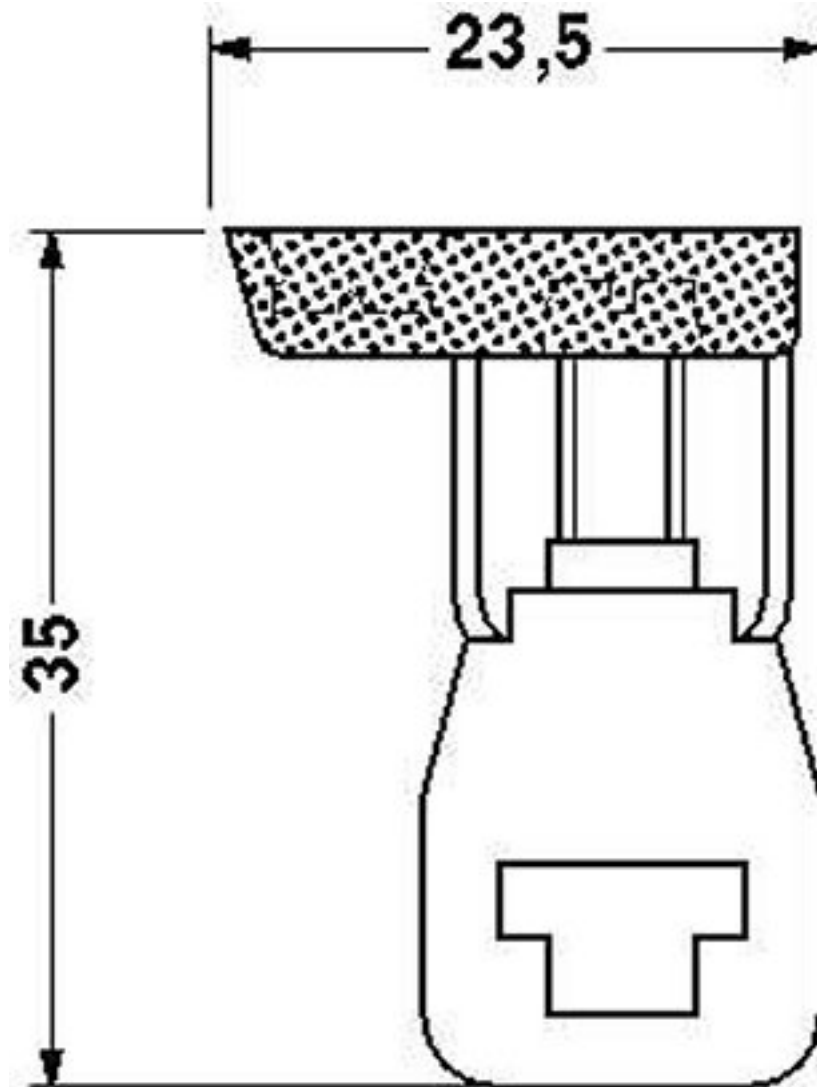
Drawings

Connection terminal block - AKG 16 BU - 0423014

Circuit diagram

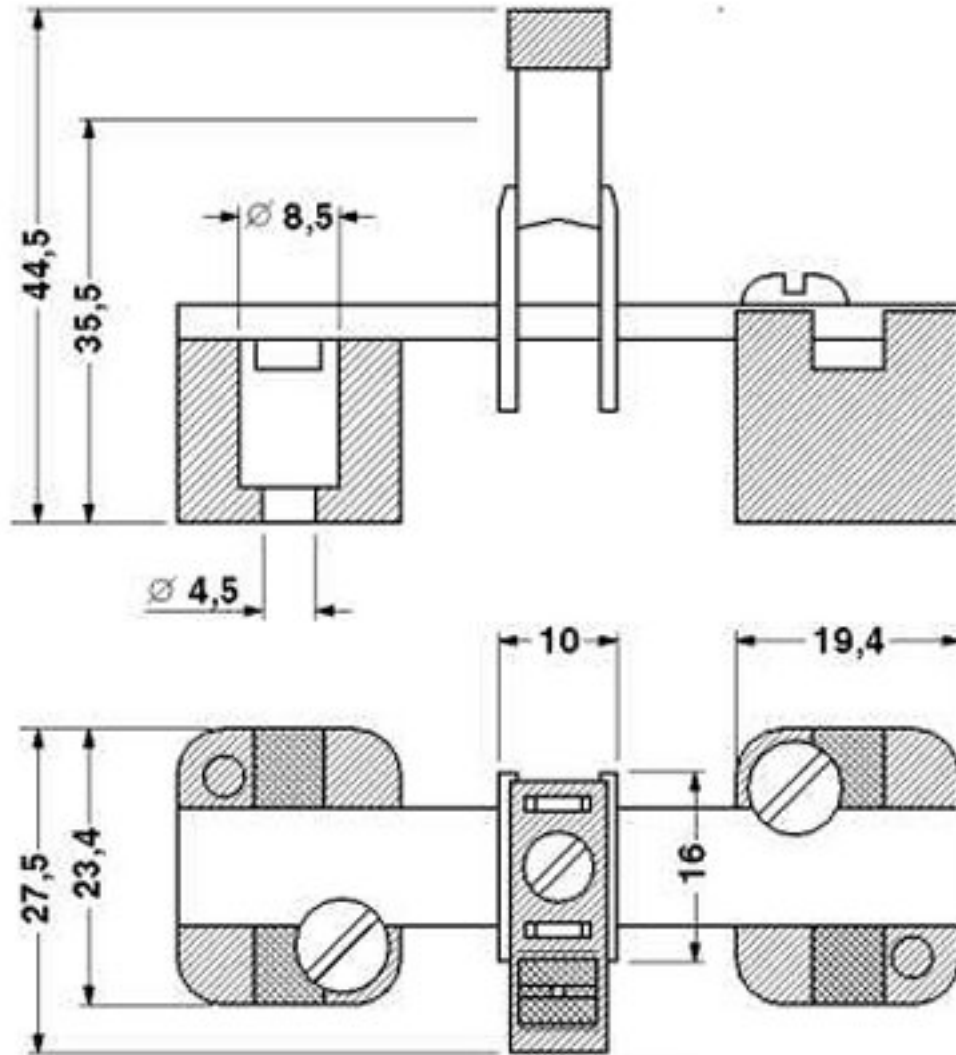


Dimensional drawing



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Dimensional drawing



Mouser Electronics

Authorized Distributor

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