AKG 4 BK - Connection terminal block

0421032

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Connection terminal block, nom. voltage: 300 V, nominal current: 41 A, connection method: Screw connection, Rated cross section: 4 mm^2, cross section: 0.5 mm^2 - 6 mm^2, mounting: Neutral busbar, color: black

Commercial data

Item number	0421032
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE73
Product key	BE7331
Catalog page	Page 554 (C-3-2019)
GTIN	4017918001933
Weight per piece (including packing)	5.5 g
Weight per piece (excluding packing)	5.426 g
Customs tariff number	85369010
Country of origin	IN

Technical data

Product properties

Product type	Installation terminal block
Number of connections	1
Number of rows	1

Electrical properties

Maximum load current	41 A
Maximum power dissipation for nominal condition	1.02 W
Nominal current I_N	32 A
Current carrying capacity of the neutral busbar	140 A

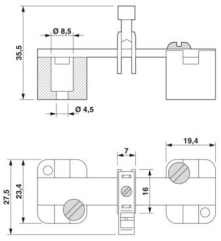
Connection data

Nominal cross section	4 mm²
Maximum load current	41 A

Level 1 above 1 below 1

Screw thread	M4
Tightening torque	1.5 ... 1.8 Nm
Stripping length	16 mm
Conductor cross section rigid	0.5 mm² ... 6 mm²
Cross section AWG	20 ... 10 (converted acc. to IEC)
Conductor cross section flexible	0.5 mm² ... 4 mm²
Conductor cross section, flexible [AWG]	20 ... 12 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm² ... 6 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	0.5 mm² ... 6 mm²
2 conductors with same cross section, solid	0.5 mm² ... 2.5 mm²
2 conductors with same cross section, flexible	0.5 mm² ... 2.5 mm²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	0.5 mm² ... 2.5 mm²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm² ... 2.5 mm²
Nominal current	41 A
Maximum load current	41 A (with 6 mm² conductor cross section)
Nominal voltage	300 V
Nominal cross section	4 mm²

Dimensions

Dimensional drawing	
Width	7 mm
Height	23.4 mm
Depth	24 mm
Length	23.4 mm

Material specifications

Color	black
Flammability rating according to UL 94	V2
Insulating material	PA
Static insulating material application in cold	-60 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	130 °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
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
Calorimetric heat release NFPA 130 (ASTM E 1354)	28 MJ/kg
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

Temperature-rise test

Requirement temperature-rise test	Increase in temperature ≤ 45 K
Result	Test passed
Result	Test passed

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-60 °C ... 110 °C (Operating temperature range incl. self-heating; for max. short-term operating temperature, see 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 (operation)	20 % ... 90 %
Permissible humidity (storage/transport)	30 % ... 70 %

Mounting

Mounting type	Neutral busbar

Classifications

ECLASS

ECLASS-11.0	27141146
ECLASS-12.0	27141146
ECLASS-13.0	27250116

ETIM

ETIM 9.0	EC000001

UNSPSC

UNSPSC 21.0	31162900

Environmental product compliance

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

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