

AKG 16 GNYE - Connection terminal block



0423027

<https://www.phoenixcontact.com/us/products/0423027>

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Connection terminal block, nom. voltage: 300 V, nominal current: 76 A, connection method: Screw connection, Rated cross section: 16 mm², cross section: 1.5 mm² - 16 mm², mounting: Neutral busbar, color: green-yellow

Commercial data

Item number	0423027
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE73
Product key	BE7331
GTIN	4017918002008
Weight per piece (including packing)	10.58 g
Weight per piece (excluding packing)	10.55 g
Customs tariff number	85369010
Country of origin	IN

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Technical data

Product properties

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

Electrical properties

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
Current carrying capacity of the neutral busbar	140 A

Connection data

Nominal cross section	16 mm ²
Maximum load current	76 A (with 16 mm ² conductor cross-section)

Level 1 above 1 below 1

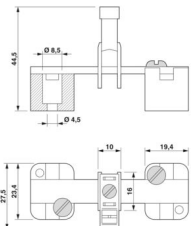
Connection method	Screw connection
Screw thread	M5
Tightening torque	2.5 ... 3 Nm
Stripping length	16 mm
Conductor cross-section rigid	1.5 mm ² ... 16 mm ²
Cross section AWG	14 ... 6 (converted acc. to IEC)
Conductor cross-section flexible	1.5 mm ² ... 16 mm ²
Conductor cross-section, flexible [AWG]	14 ... 6 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	1.5 mm ² ... 16 mm ²
Flexible conductor cross-section (ferrule with plastic sleeve)	1.5 mm ² ... 16 mm ²
2 conductors with same cross section, rigid	1.5 mm ² ... 6 mm ²
2 conductors with same cross section, flexible	1.5 mm ² ... 6 mm ²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	1.5 mm ² ... 6 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	1.5 mm ² ... 10 mm ²
Nominal cross section	16 mm ²
Nominal current	76 A
Maximum load current	76 A (with 16 mm ² conductor cross-section)
Nominal voltage	300 V

Dimensions

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Dimensional drawing	
Width	9.8 mm
Height	23.4 mm
Depth	32 mm
Length	23.4 mm

Material specifications

Color	green-yellow
Flammability rating according to UL 94	V2
Insulating material	PA
Static insulating material application in cold	-40 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	125 °C
Relative insulation material temperature index (Elec., UL 746 B)	125 °C

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
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Drawings

Dimensional drawing



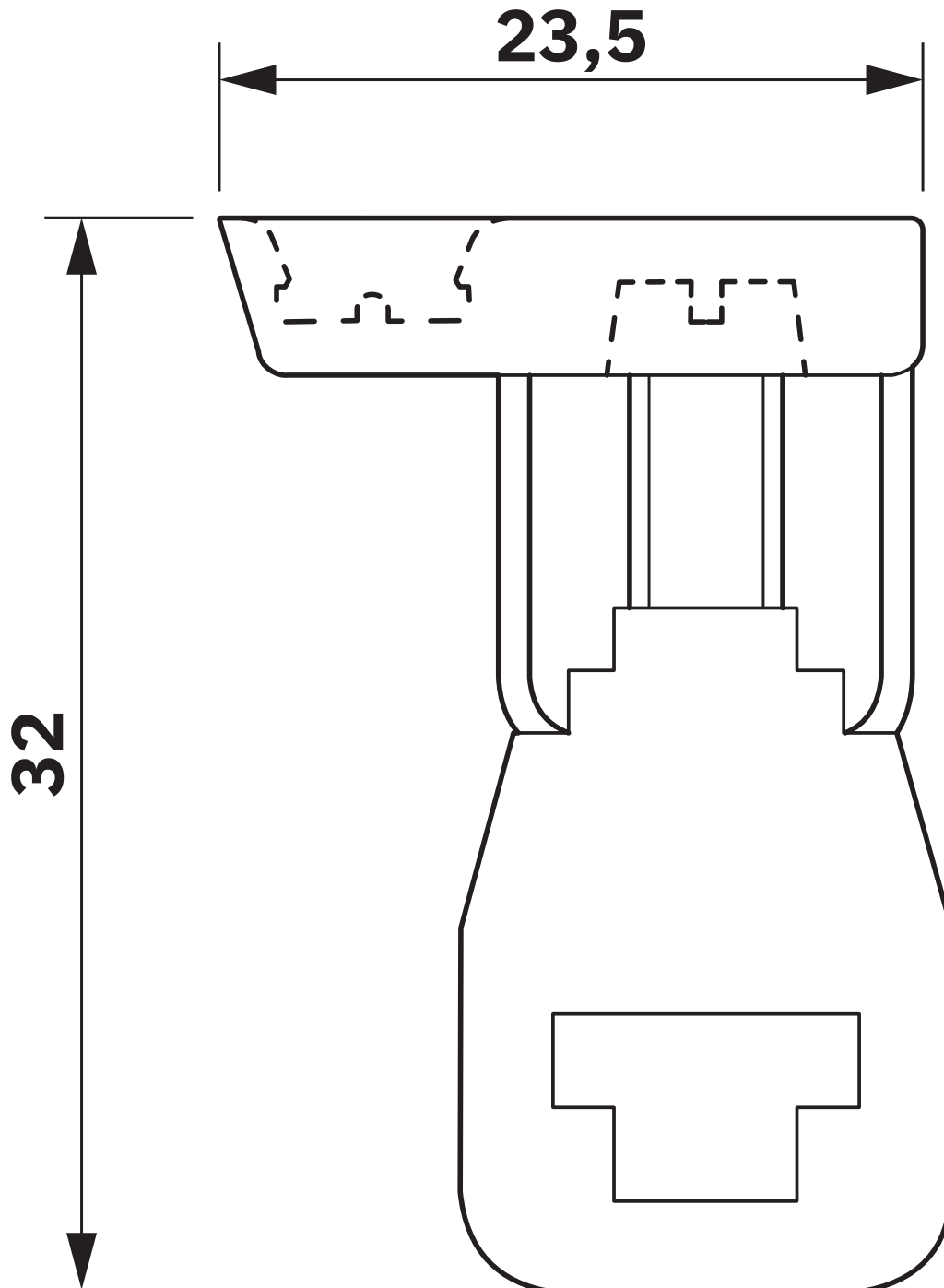
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Dimensional drawing



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/0423027>

 CSA Approval ID: 13631				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	-	65 A	18 - 6	-

 UL Recognized Approval ID: E60425				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
B				
	-	-	18 - 6	-
C				
	-	-	18 - 6	-
F				
	-	-	18 - 6	-

 EAC Approval ID: KZ7500651131219505				
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Classifications

ECLASS

ECLASS-13.0	27250116
ECLASS-15.0	27250116

ETIM

ETIM 10.0	EC000001
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UNSPSC

UNSPSC 21.0	31162900
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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