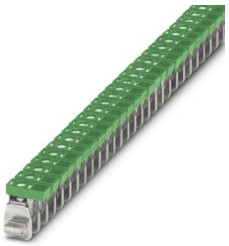
AKG 16 GN - Connection terminal block

3062964

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Connection terminal block, nom. voltage: 300 V, nominal current: 76 A, connection method: Screw connection, Rated cross section: 16 mm^2, cross section: 1.5 mm^2 - 16 mm^2, mounting: Neutral busbar, color: green

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 mm² 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 mm²
Maximum load current	76 A (with 16 mm² conductor cross section)

Level 1 above 1 below 1

Screw thread	M5
Tightening torque	2.5 ... 3 Nm
Stripping length	16 mm
Conductor cross section rigid	1.5 mm² ... 16 mm²
Cross section AWG	14 ... 6 (converted acc. to IEC)
Conductor cross section flexible	1.5 mm² ... 16 mm²
Conductor cross section, flexible [AWG]	14 ... 6 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	1.5 mm² ... 16 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	1.5 mm² ... 16 mm²
2 conductors with same cross section, solid	1.5 mm² ... 6 mm²
2 conductors with same cross section, flexible	1.5 mm² ... 6 mm²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	1.5 mm² ... 6 mm²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	1.5 mm² ... 10 mm²
Nominal current	76 A
Maximum load current	76 A (with 16 mm² conductor cross section)
Nominal voltage	300 V
Nominal cross section	16 mm²

Dimensions

Width	9.8 mm
Height	23.7 mm
Depth	29 mm
Length	23.7 mm

Material specifications

Color	green
Flammability rating according to UL 94	V2
Insulating material	PA

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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