Product data sheet
Characteristics

AB1VVN1635U
terminal block - passthrough - 16mm2 screw - grey

Main

Range of product	Terminal blocks
Product or component type	Terminal block
Technology type	Screw technology
Terminal block type	Passthrough
Fixing mode	Clip-on mounting on 35 mm asymmetrical rail Clip-on mounting on 35 mm notched symmetrical rail Clip-on mounting on 35 mm symmetrical DIN rail
Nominal cross section	16 mm²
Length	57.5 mm
Colour	Grey
Number of points	2
Sale per indivisible quantity	50

Complementary

Width	12 mm
Height	62 mm on 35 mm asymmetrical rail 65 mm on 35 mm notched symmetrical rail 57.5 mm on 35 mm symmetrical DIN rail
Cable cross section	10...25 mm², solid 4...16 mm², flexible with or without cable end
Tightening torque	2.5...3 N.m, M6 conforming to EN 60999 2.5...3 N.m, M6 conforming to IEC 60974-1
[Ue] rated operational voltage	600 V , 12...4 AWG UL 600 V , 14...4 AWG CSA 500 V AC/DC conforming to UTE category C 750 V conforming to ATEX Exe II Ex II 2 GD 750 V AC conforming to VDE group C 800 V conforming to EN/IEC 60947-7-1 900 V DC conforming to VDE group C
[Ie] rated operational current	85 A, 12...4 AWG UL 95 A, 14...4 AWG CSA 3...76 A conforming to EN/IEC 60947-7-1 66...71 A conforming to ATEX Exe II Ex II 2 GD 85 A conforming to VDE group C
Material	Copper or brass (commoning link) Polyamide 6.6 (insulating case) Zinc chromed steel (connector and screw)
Dielectric loss	0.01 at 1 MHz conforming to IEC 60250 0.01 at 1 MHz conforming to VDE 0303-T4
Dielectric constant	3.7 at 1 MHz
Resistivity	Conforming to IEC 60093 Conforming to VDE 0303-T30
Surface resistance	10 GOhm conforming to IEC 60093 10 GOhm conforming to VDE 0303-T30
Creep resistance	500 CTI (> 400 kB) conforming to IEC 60093 500 CTI (> 400 kB) conforming to VDE 0303-T30
Flame retardance	V0, thickness0.8 mm conforming to UL 94
Product weight	40 g

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Environment

Dielectric test voltage	8 kV conforming to EN/IEC 60947-7-1
Product certifications	ASEV ATEX CSA CSA-Ex DNV (Det Norske Veritas) GL LR UL UL-Aex UL-Ex VDE
Dielectric strength	80 kV conforming to IEC 60243-1 80 kV conforming to VDE 0303-T21
Ambient air temperature for operation	-40...130 °C conforming to IEC 60216-1 -40...130 °C conforming to VDE 0304-T21

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