

Product data sheet

Characteristics

AB1VV635U

terminal block - passthrough - 6mm² 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	6 mm ²
Length	46 mm
Colour	Grey
Number of points	2
Sale per indivisible quantity	100

Complementary

Width	8 mm
Height	58 mm on 35 mm asymmetrical rail 61 mm on 35 mm notched symmetrical rail 53.5 mm on 35 mm symmetrical DIN rail
Cable cross section	0.5...10 mm ² , solid 0.5...6 mm ² , flexible with or without cable end
Tightening torque	1.2...1.6 N.m, M3.5 conforming to EN 60999 1.2...1.6 N.m, M3.5 conforming to IEC 60974-1
[Ue] rated operational voltage	600 V, 20...8 AWG CSA 600 V, 22...8 AWG UL 500 V AC/DC conforming to UTE category C 750 V conforming to ATEX Ex 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	45 A, 20...8 AWG CSA 50 A, 22...8 AWG UL 3...41 A conforming to EN/IEC 60947-7-1 35...38 A conforming to ATEX Ex II Ex II 2 GD 44 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, thickness 0.8 mm conforming to UL 94
Product weight	14.8 g

Environment

Dielectric test voltage	8 kV conforming to EN/IEC 60947-7-1
Product certifications	ASEV ATEX CSA CSA-Ex DNV 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
RoHS EUR status	Compliant
RoHS EUR conformity date	0538