Product data sheet
Characteristics

AB1VVN3535UBL
terminal block - passthrough - 35mm2 screw - blue

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	35 mm²
Length	63 mm
Colour	Blue
Number of points	2
Sale per indivisible quantity	20

Complementary

Width	16 mm
Height	69 mm on 35 mm asymmetrical rail 67.6 mm on 35 mm symmetrical DIN rail 75.1 mm on 35 mm notched symmetrical rail
Cable cross section	10...35 mm², flexible with or without cable end 10...50 mm², solid cable
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 , 10...2 AWG UL 600 V , 12...2 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	110 A, 12...2 AWG CSA 95 A, 10...2 AWG UL 138 A conforming to VDE group C 3...125 A conforming to EN/IEC 60947-7-1 86...124 A conforming to ATEX Exe II Ex II 2 GD
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	71 g

Environment

Dielectric test voltage	8 kV conforming to EN/IEC 60947-7-1
Product certifications	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