

Product data sheet

Specifications



Earth leakage circuit breaker for service connection DB60 - 1P+N - 45A - 300mA

R9E50145

⚠ Discontinued on: Feb 5, 2020

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Main

Range Of Product	Resi9
Product Name	DB60
Product Or Component Type	Residual current breaker with overcurrent protection (RCBO)
Device Location In System	Main incomer
Pole	1P + N
Maximum Current Rated	45 A
Settings	45 A manual set point adjustment 9 kVA 30 A manual set point adjustment 6 kVA 15 A manual set point adjustment 3 kVA
Earth-Leakage Sensitivity	300 mA
Earth-Leakage Protection Time Delay	Instantaneous
Earth-Leakage Protection Class	Type AC
Neutral Position	Left
Standards	NF C 62-411
Electrical Insulation Class	Class II
Network Type	AC
Trip Unit Technology	Thermal-magnetic
Safety Function	Cover opening open

Complementary

Network Frequency	50 Hz
[Ue] Rated Operational Voltage	250 V AC 50 Hz conforming to NF C 62-411
Residual Current Tripping Technology	Voltage independent
Breaking Capacity	2 kA
Contact Position Indicator	Yes
Control Type	Toggle
Mounting Support	Mounting plate
Height	209 mm
Width	71 mm
Depth	73 mm
Mechanical Durability	5000 cycles

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Electrical Durability	1000 cycles conforming to NF C 62-411
Provision For Padlocking	Yes
Type Of Connection	Fixed terminal 30°, cable cross section: 1.5...16 mm² flexible with ferrule
Tightening Torque	Setting: 1 N.m Power terminals: 3.5 N.m
Earth-Leakage Protection	Integrated

Environment

Ip Degree Of Protection	IP40 (front face)
Electromagnetic Compatibility	Electrostatic discharge - test level: 15 kV (air discharge) conforming to IEC 61000-4-2 Electrostatic discharge - test level: 8 kV (contact discharge) conforming to IEC 61000-4-3 Radiated radio-frequency electromagnetic field immunity test - test level: 20 V/m criteria A (80 MHz...6 GHz) conforming to IEC 61000-4-4 Electrical fast transient/burst immunity test - test level: 4.5 kV criteria A conforming to IEC 61000-4-5 Surge immunity test - test level: 5 kV criteria A (common mode) conforming to IEC 61000-4-6 Surge immunity test - test level: 5 kV criteria A (differential mode) conforming to IEC 61000-4-8 Conducted RF disturbances - test level: 20 V criteria A (0.15...80 MHz) conforming to IEC 61000-4-16 Magnetic field at power frequency - test level: 400 A/m criteria A (1 minute) conforming to EN 55022-11 Magnetic field at power frequency - test level: 1000 A/m criteria A (3 s) conforming to EN 55022-11
Relative Humidity	90 % at 40 °C
Ambient Air Temperature For Operation	-5...40 °C

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	8 cm
Package 1 Width	7.4 cm
Package 1 Length	22 cm
Package 1 Weight	0.54 kg

Sustainability




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Well-being performance

 Mercury Free	
 Rohs Exemption Information	Yes
 Halogen Free Plastic Parts Product	
Reach Regulation	REACH Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins