

PRODUCT-DETAILS

BMR415C20

BMR415C20 Residual Current Circuit Breaker with Overcurrent Protection



General Information

Extended Product Type	BMR415C20
Product ID	2CSR645041R1204
EAN	8012542191834
Catalog Description	BMR415C20 Residual Current Circuit Breaker with Overcurrent Protection
Long Description	The basic M RCBO is a 1P+N in two-modules device for the protection of end user single-phase circuits against overload and short-circuit currents. Protection against fault current to earth. Protection against indirect contacts and additional protection against direct contacts (with sensitivity = 30 mA). This product is manufactured according to international IEC standards.

Technical

Standards	IEC 61009-1
Product Name	Residual Current Circuit Breaker with Overcurrent Protection
Tripping Characteristic	C
Type of Residual Current	AC Type
Rated Voltage (U _r)	230 V
Rated Operational Voltage	230 V AC
Rated Insulation Voltage (U _i)	500 V
Rated Impulse Withstand Voltage (U _{imp})	4 kV
Input Voltage Type	AC

Rated Current (I_n)	20 A
Rated Residual Current	30 mA
Rated Short-Circuit Capacity (I_{cn})	4.5 kA
Rated Service Short-Circuit Breaking Capacity, in % of I_{cu} (I_{cs})	4.5 kA
Maximum Surge Current	0.25 kA
Leakage Current Type	AC
Frequency (f)	50 Hz
Rated Frequency (f)	50 Hz
Energy Limiting Class	3
Electrical Endurance	2000AC cycle 8000 cycle
Number of Poles	2
Number of Protected Poles	1
Overvoltage Category	III
Tightening Torque	2 N·m
Actuator Type	Toggle
Earthing Switch Type	Undelayed
Release Type	C
Actuator Marking	I / O
Recommended Screw Driver	Pozidriv 2
Accessories Available	No
Connecting Capacity	Flexible 16 mm ² Rigid 25 mm ²
Rated Cross-Section	4 - Multi-Wired 1...25 mm ² 1 - Solid-Core 25...25 mm ²
Wire Stripping Length	12.5 mm

Environmental

Ambient Temperature	-25...55 °C
Ambient Air Temperature	Operation -25...55 °C
Degree of Protection	IP40
Pollution Degree	2

Technical UL/CSA

Short-Circuit Current Rating (SCCR)	0.03 A
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Dimensions

Width in Number of Modular Spacings	2
Product Net Width	35 mm
Product Net Height	69 mm
Product Net Depth / Length	88 mm
Product Net Weight	180 g
Built-In Depth (t_2)	69 mm

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	0.047 m
Package Level 1 Height	0.078 m
Package Level 1 Depth / Length	0.103 m
Package Level 1 Gross Weight	0.210 kg
Package Level 1 EAN	8012542191834
Package Level 2 Units	crate 5 piece
Package Level 2 Width	253 mm
Package Level 2 Height	88 mm
Package Level 2 Depth / Length	108 mm
Package Level 2 Gross Weight	1.050 kg
Package Level 2 EAN	8012542191841

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85363030
Country of Origin	Italy (IT)
Selling Unit of Measure	piece

Certificates and Declarations (Document Number)

Declaration of Conformity - CE	9AKK107045A4805
Instructions and Manuals	No document needed

Popular Downloads

Data Sheet, Technical Information	9AKK107045A1496
Instructions and Manuals	No document needed

Classifications

ETIM 6	EC000905 - Earth leakage circuit breaker
ETIM 7	EC000905 - Earth leakage circuit breaker
ETIM 8	EC000905 - Earth leakage circuit breaker
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Consumer
CN8	85363030
Object Classification Code	Q

Categories

Low Voltage Products and Systems → Modular DIN Rail Products → Basic M System → Residual Current Devices RCDs

