PRODUCT-DETAILS

DS201 M B16 F30

DS201 M B16 F30 - RCBO



General Information

Extended Product Type	DS201 M B16 F30
Product ID	2CSR275580R1165
EAN	8012542595717
Catalog Description	DS201 M B16 F30 - RCBO
Long Description	The DS201 series is a 1P+N RCBO in two-modules width for the protection of end user single-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating and direct pulsating earth fault currents; protection against indirect contacts and additional protection against direct contacts (with sensitivity = 30 mA). The F type is covering APR features with a resistance to unwanted trippings and in addition it is able to detect high frequency currents up to 1 kHz. Specifically suitable for the protection of lines supplying single phase inverters.

Technical

Standards	IEC/EN 61009-1, IEC/EN 61009-2-1
Operating Characteristic	Instantaneous (APR High Immunity)
Type of Residual Current	F type
Number of Poles	2
Number of Protected Poles	1
Rated Current (I_n)	16 A
Rated Current Sensitivity	0.03 A

Rated Voltage (U_r)	230 V
Rated Insulation Voltage (U_i)	500 V
Overvoltage Category	III
Pollution Degree	2
Test Voltage (Ut)	170 … 264 V
Rated Frequency (f)	50/60 Hz
Rated Short-Circuit Capacity (I_{cn})	10 kA
Rated Ultimate Short-Circuit Breaking Capacity (I_{cu})	15 kA
Rated Service Short-Circuit Breaking Capacity (I_{cs})	11.2 kA
Rated Residual Breaking Capacity (IΔm)	EN 61009-1 6000 A IEC 61009-1 6000 A
Primary Rated Impulse Withstand Voltage	4 kV
Dielectric Test Voltage	2.5 kV
Tripping Characteristic	B
Energy Limiting Class	3
Housing Type	Insulation group I - II, RAL 7035
Actuator Type	Toggle - Insulation group II, Black RAL 9005, sealable in ON-OFF positions
Contact Position Indication	Red ON / Green OFF
Fault Indication	Blue flag on toggle
Electrical Endurance	10000 cycle
	20000 cycle
Degree of Protection	Terminals IP20 Housing IP40
Resistance to Shock acc. to IEC 60068-2-27	25g / 2 shocks / 13 ms
Resistance to Vibrations acc. to IEC 60068-2-6	0.1 mm or 1 g - 20 cycles at 5…150…5 Hz
Environmental Conditions	28 cycles with 55 °C / 90-96 % and 25 °C / 95-100 %
Reference Ambient Air Temperature	30 °C
Terminal Type	Screw Terminals
Screw Terminal Type	Failsafe Bi-directional Cylinder-lift Terminal
Cable Size	25 mm²
Connecting Capacity	Busbar 10/10 mm² Stranded 0.75 … 25 mm² Flexible with Ferrule 0.75 … 16 mm² Flexible 0.75 … 16 mm²
Tightening Torque	2.8 N·m
Wire Stripping Length	12 mm
Mounting Type	on DIN rail EN 60715 (35mm) by means of mounting clip
Mounting Position	Any
Power Supply Connection	Arbitrary

Position of Neutral Terminals	Right
Power Loss	3.3 W
Number of Modular Spacings per DIN Rail	2
Accessory Type	Auxiliary contact Signal contact / auxiliary contact Shunt trip Auxiliary contact for bottom fitting Undervoltage release Overvoltage release Motor operating device

Environmental

Ambient Air Temperature	Operation -25...55 °C

Technical UL/CSA

Short-Circuit Current Rating (SCCR)	0.03 A

Dimensions

Product Net Width	0.035 m
Product Net Height	0.085 m
Product Net Depth / Length	0.069 m
Product Net Weight	0.200 kg

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	40 mm
Package Level 1 Height	106 mm
Package Level 1 Depth / Length	80 mm
Package Level 1 Gross Weight	225 g
Package Level 1 EAN	8012542595717
Package Level 2 Units	5 piece
Package Level 2 Width	200 mm
Package Level 2 Height	106 mm
Package Level 2 Depth / Length	80 mm
Package Level 2 Gross Weight	1125 g
Package Level 2 EAN	8012542357315

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85363010

Certificates and Declarations (Document Number)

Declaration of Conformity - CE	9AKK106713A5588
Environmental Information	2CSC422002K2701
Instructions and Manuals	9AKK107492A6006
RoHS Information	2CSC422002K2701

Popular Downloads

Data Sheet, Technical Information	9AKK107492A6187
Instructions and Manuals	9AKK107492A6006

Classifications

Object Classification Code	Q
ETIM 6	EC000905 - Earth leakage circuit breaker
ETIM 7	EC000905 - Earth leakage circuit breaker

Categories

Low Voltage Products and Systems → Modular DIN Rail Products → Residual Current Devices RCDs → Residual Current Circuit Breakers with Overcurrent Protection RCBO

