

PRODUCT-DETAILS

# DS202C M C20 A30

## DS202C M C20 A30 Residual Current Circuit Breaker with Overcurrent Protection



### General Information

Extended Product Type	DS202C M C20 A30
Product ID	2CSR272140R1204
EAN	8012542119258
Catalog Description	DS202C M C20 A30 Residual Current Circuit Breaker with Overcurrent Protection
Long Description	The DS202C series RCBO is a 2P in two-modules device 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).

### Technical

Standards	IEC 61009-1 IEC 61009-2-1 EN 61009-1 EN 61009-2-1
Tripping Characteristic	C
Type of Residual Current	A type
Rated Voltage ( $U_r$ )	230-240 V AC
Rated Operational Voltage	230 / 240 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	10 kA
Rated Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ )	10 kA
Rated Conditional Short-Circuit Current ( $I_{nc}$ )	10 kA
Rated Service Short-Circuit Breaking Capacity, in % of $I_{cu}$ ( $I_{cs}$ )	10 kA
Leakage Current Type	A
Frequency (f)	50/60 Hz
Rated Frequency (f)	50 ... 60 Hz
Power Loss	6.6 W
Power Supply Connection	Arbitrary
Energy Limiting Class	3
Electrical Endurance	10000 cycle
Mechanical Endurance	20000 cycle
Number of Poles	2
Number of Protected Poles	2
Operating Characteristic	Instantaneous
Overvoltage Category	III
Position of Neutral Terminals	Right Left
Earthing Switch Type	Undelayed
Release Type	C
Options Provided	None
Accessories Available	Yes
Connecting Capacity	Busbar 10 mm <sup>2</sup> Rigid 25 ... 25 mm <sup>2</sup> Flexible 25 ... 25 mm <sup>2</sup>
Rated Cross-Section	4 - Multi-Wired 1...25 mm <sup>2</sup> 1 - Solid-Core 25...25 mm <sup>2</sup>

## Environmental

Ambient Temperature	-25...55 °C
Ambient Air Temperature	Operation -25...55 °C
Degree of Protection	IP2X
Pollution Degree	2
RoHS Status	Following EU Directive 2011/65/EU
Environmental Information	9AKK107680A8583

## 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	0.035 m
Product Net Height	0.085 m

Product Net Depth / Length	0.069 m
Product Net Weight	0.225 kg
Built-In Depth (t <sub>2</sub> )	69 mm

## Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	106 mm
Package Level 1 Height	40 mm
Package Level 1 Depth / Length	80 mm
Package Level 1 Gross Weight	0.239 kg
Package Level 1 EAN	8012542119258
Package Level 2 Units	box 5 piece
Package Level 2 Width	0.200 m
Package Level 2 Height	0.106 m
Package Level 2 Depth / Length	0.080 m
Package Level 2 Gross Weight	1.125 kg
Package Level 2 EAN	8012542119265

## Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85363030
Replacement Product ID (NEW)	2CSR772140R1204
Country of Origin	Italy (IT)

## Certificates and Declarations (Document Number)

Declaration of Conformity - CE	9AKK106713A5589
Environmental Information	9AKK107680A8583
Instructions and Manuals	9AKK106354A0766
RoHS Information	2CSC422002K2701

## Popular Downloads

Data Sheet, Technical Information	9AKK107991A8329
Instructions and Manuals	9AKK106354A0766
EPLAN Macro	9AKK106930A1235

## Classifications

ETIM 7	EC000905 - Earth leakage circuit breaker
ETIM 8	EC000905 - Earth leakage circuit breaker
EPLAN Catalog Tree	Electrical engineering / Protection devices / Ground fault current circuit breaker
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Consumer

CN8	85363030
eClass	V11.0 : 27142207
Object Classification Code	F

## Accessories

Identifier	Description	Type	Quantity	Unit Of Measure
2CDS200912R0001	S2C-H6R Auxiliary Contact	S2C-H6R	1	piece
2CDS200922R0001	S2C-S/H6R Signal / Auxiliary Contact	S2C-S/H6R	1	piece
2CDS200946R0001	S2C-H6-11R Auxiliary Contact	S2C-H6-11R	1	piece
2CDS200946R0002	S2C-H6-20R Auxiliary Contact	S2C-H6-20R	1	piece
2CDS200946R0003	S2C-H6-02R Auxiliary Contact	S2C-H6-02R	1	piece
2CSR201997R0013	DS2C-CM Motor operating device	DS2C-CM	1	piece
2CSS200910R0005	S2C-OVP1 Overvoltage release	S2C-OVP1	1	piece
2CSS200911R0002	S2C-UA 24 AC Undervoltage release	S2C-UA 24 AC	1	piece
2CSS200911R0003	S2C-UA 48 AC Undervoltage release	S2C-UA 48 AC	1	piece
2CSS200911R0004	S2C-UA 110 AC Undervoltage release	S2C-UA 110 AC	1	piece
2CSS200911R0005	S2C-UA 230 AC Undervoltage release	S2C-UA 230 AC	1	piece
2CSS200933R0011	F2C-A1 Shunt trip	F2C-A1	1	piece
2CSS200933R0012	F2C-A2 Shunt trip	F2C-A2	1	piece
2CSS200993R0005	S2C-OVP2 Overvoltage release	S2C-OVP2	1	piece
2CSS200999R0001	S2C-EST Plug-in base	S2C-EST	1	piece

## Categories

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

