PRODUCT-DETAILS

DS201 C20 AC30

DS201 C20 AC30 Residual Current Circuit Breaker with Overcurrent Protection

General Information

Extended Product Type	DS201 C20 AC30
Product ID	2CSR255080R1204
EAN	8012542049111
Catalog Description	DS201 C20 AC30 Residual Current Circuit Breaker with Overcurrent Protection
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 earth fault currents; protection against indirect contacts and additional protection against direct contacts (with sensitivity = 30 mA).

Technical

Standards	IEC/EN 61009-1, IEC/EN 61009-2-1
Tripping Characteristic	C
Type of Residual Current	AC type
Rated Voltage (U_r)	230 V
Rated Operational Voltage	230 / 240 V AC
Rated Insulation Voltage (U_i)	500 V
Test Voltage (Ut)	170 ... 264 V
Dielectric Test Voltage	2 kV
Primary Rated Impulse Withstand Voltage	4 kV
Input Voltage Type	AC
Rated Current (I_n)	20 A

Rated Residual Current	30 mA
Rated Short-Circuit Capacity	6 kA
Rated Ultimate Short-Circuit Breaking Capacity (I_{cu})	10 kA
Rated Residual Breaking Capacity (IΔm)	EN 61009-1 6000 A IEC 61009-1 6000 A
Rated Conditional Short-Circuit Current (I_{nc})	10 kA
Rated Service Short-Circuit Breaking Capacity (I_{cs})	7.5 kA
Maximum Surge Current	0 kA
Leakage Current Type	AC
Frequency (f)	50/60 Hz
Rated Frequency (f)	50 … 60 Hz
Power Loss	3.6 W
Power Supply Connection	Arbitrary
Contact Position Indication	Red ON / Green OFF
Energy Limiting Class	3
Electrical Endurance	10000 cycle
Mechanical Endurance	20000 cycle
Number of Poles	2
Number of Protected Poles	1
Number of Modular Spacings per DIN Rail	2
Fault Indication	Blue flag on toggle
Operating Characteristic	Instantaneous
Overvoltage Category	III
Position of Neutral Terminals	Right
Tightening Torque	2.8 N·m
Accessory Type	Auxiliary contact, Signal contact / auxiliary contact, Shunt trip, Auxiliary contact for bottom fitting, Overvoltage release, Motor operating device
Actuator Type	Toggle - Insulation group II, Black RAL 9005, sealable in ON-OFF positions
Housing Type	Insulation group I - II, RAL 7035
Mounting Type	on DIN rail EN 60715 (35mm) by means of mounting clip
Release Type	C
Screw Terminal Type	Failsafe Bi-directional Cylinder-lift Terminal
Mounting Position	Any
Accessories Available	Yes
Number of Batteries	0
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
Wire Stripping Length	12 mm
Terminal Type	Screw Terminals

Environmental

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

Reference Ambient Air Temperature	30 °C
Degree of Protection	Terminals IP20 Housing IP40
Pollution Degree	2
Environmental Conditions	28 cycles with 55 °C / 90-96 % and 25 °C / 95-100 %
Resistance to Vibrations acc. to IEC 60068-2-6	0.1 mm or 1 g - 20 cycles at 5…150…5 Hz
Resistance to Shock acc. to IEC 60068-2-27	25g 2 shocks 13 ms
Environmental Information	2CSC422002K2701

Technical UL/CSA

Short-Circuit Current Rating (SCCR)	0.03 A

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	0.200 kg
Built-In Depth (t_2)	69 mm

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	8012542049111
Package Level 2 Units	box 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	8012542572916

Ordering

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

Certificates and Declarations (Document Number)

ABS Certificate	9AKK107991A2823
CB Certificate	9AKK107492A6060
CCC Certificate	9AKK107492A6067
Declaration of Conformity - CE	9AKK106713A5588
DNV GL Certificate	9AKK107680A3457 9AKK107680A3456
EAC Certificate	9AKK107492A6071 9AKK107991A7755
Environmental Information	2CSC422002K2701
GOST Certificate	9AKK107992A1640
Instructions and Manuals	9AKK107492A6006
ÖVE Certificate	9AKK107492A6085
RMRS Certificate	9AKK107680A3454 9AKK107680A3455
RoHS Information	2CSC422002K2701

Popular Downloads

Data Sheet, Technical Information	9AKK107492A6187
Instructions and Manuals	9AKK107492A6006
EPLAN Macro	9AKK107680A0597

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
2CDS200970R0031	S2C-H01 Auxiliary Contact	S2C-H01	1	piece
2CDS200970R0032	S2C-H10 Auxiliary Contact	S2C-H10	1	piece
2CSS200910R0005	S2C-OVP1 Overvoltage release	S2C-OVP1	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
2CSS203997R0013	S2C-CM2/3 Motor operating device	S2C-CM2/3	1	piece

Categories

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