

PRODUCT-DETAILS

DS301C C10 A30

DS301C C10 A30 Residual Current Circuit Breaker with Overcurrent Protection



General Information

Extended Product Type	DS301C C10 A30
Product ID	2CSR255163R1104
EAN	8012542361053
Catalog Description	DS301C C10 A30 Residual Current Circuit Breaker with Overcurrent Protection
Long Description	The DS301C series is a 1P+N RCBO in one module width for the protection of end user single-phase circuits against overload and short-circuit currents

Technical

Standards	IEC/EN 61009-1 IEC/EN 61009-2-1
Tripping Characteristic	C
Type of Residual Current	A type
Rated Operational Voltage	230 / 240 V AC
Rated Insulation Voltage (U _i)	500 V
Test Voltage (U _t)	170 ... 264 V
Rated Impulse Withstand Voltage (U _{imp})	4 kV
Dielectric Test Voltage	2.5 kV
Primary Rated Impulse	4 kV

Withstand Voltage	
Input Voltage Type	AC
Rated Current (I_n)	10 A
Rated Residual Current	30 mA
Rated Short-Circuit Capacity	6 kA
Rated Ultimate Short-Circuit Breaking Capacity (I_{cu})	6 kA
Rated Residual Breaking Capacity ($I_{\Delta m}$)	EN 61009-1 6000 A IEC 61009-1 4500 A
Rated Service Short-Circuit Breaking Capacity (I_{cs})	6 kA
Leakage Current Type	A
Rated Frequency (f)	50 Hz
Power Loss	Average per Pole 0.75 W Phase Pole 1.25 W Neutral Pole 0.25 W Total 1.5 W
Power Supply Connection	Arbitrary
Contact Position Indication	Red ON / Green OFF
Energy Limiting Class	3
Electrical Endurance	7000 cycle
Mechanical Endurance	7000 cycle
Number of Poles	1
Number of Protected Poles	1
Number of Modular Spacings per DIN Rail	1
Fault Indication	Blue flag below toggle
Operating Characteristic	Instantaneous
Overvoltage Category	III
Position of Neutral Terminals	Right
Tightening Torque	1.2 N·m
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
Screw Terminal Type	Failsafe Bi-directional Cylinder-lift Terminal
Mounting Position	Any
Accessories Available	No
Cable Size	16 mm ²
Connecting Capacity	Busbar 10 ... 10 mm ² Rigid 1.5 ... 16 mm ² Flexible 1.5 ... 16 mm ²
Rated Cross-Section	1 - Solid-Core 1.5 ... 16 mm ² 4 - Multi-Wired 1.5 ... 10 mm ²
Wire Stripping Length	10 mm
Terminal Type	Screw Terminals

Environmental

Ambient Temperature	-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

Dimensions

Width in Number of Modular Spacings	1
Product Net Width	0.0176 m
Product Net Height	0.092 m
Product Net Depth / Length	0.068 m
Product Net Weight	0.110 kg
Built-In Depth (t ₂)	17.6 mm

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	81 mm
Package Level 1 Height	25 mm
Package Level 1 Depth / Length	98 mm
Package Level 1 Gross Weight	0.127 kg
Package Level 1 EAN	8012542361053

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85363010
Country of Origin	Italy (IT)

Certificates and Declarations (Document Number)

CB Certificate	9AKK107991A9485
CCC Certificate	9AKK108467A0379
CEBEC Certificate	9AKK108466A9450
Declaration of Conformity - CE	9AKK108466A7779

Instructions and Manuals	9AKK107991A9407
KEMA Certificate	9AKK108467A0378
RoHS Information	9AKK108466A7779
SEV Certificate	9AKK108467A0377
VDE Certificate	9AKK108466A9224

Popular Downloads

Data Sheet, Technical Information	9AKK108466A9620
Instructions and Manuals	9AKK107991A9407
Mechanical Drawings	9AKK107991A9486 9AKK107991A9487
EPLAN Macro	9AKK107991A9410

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	85363010
eClass	V11.0 : 27142207
Object Classification Code	F

Categories

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



