

PRODUCT-DETAILS

# DS201 L C16 AC300

## DS201 L C16 AC300 Residual Current Circuit Breaker with Overcurrent Protection



### General Information

Extended Product Type	DS201 L C16 AC300
Product ID	2CSR245080R3164
EAN	8012542637516
Catalog Description	DS201 L C16 AC300 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 ( $U_t$ )	110 ... 264 V
Dielectric Test Voltage	2 kV
Primary Rated Impulse Withstand Voltage	4 kV

Input Voltage Type	AC
Rated Current ( $I_n$ )	16 A
Rated Residual Current	300 mA
Rated Short-Circuit Capacity	4.5 kA
Rated Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ )	6 kA
Rated Residual Breaking Capacity ( $I_{\Delta m}$ )	EN 61009-1 4500 A IEC 61009-1 4500 A
Rated Conditional Short-Circuit Current ( $I_{nc}$ )	6 kA
Rated Service Short-Circuit Breaking Capacity ( $I_{cs}$ )	4.5 kA
Maximum Surge Current	0 kA
Leakage Current Type	AC
Frequency (f)	50/60 Hz
Rated Frequency (f)	50 ... 60 Hz
Power Loss	3.3 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 mm <sup>2</sup>
Connecting Capacity	Busbar 10 ... 10 mm <sup>2</sup> Stranded 0.75 ... 25 mm <sup>2</sup> Flexible with Ferrule 0.75 ... 16 mm <sup>2</sup> Flexible 0.75 ... 16 mm <sup>2</sup>
Wire Stripping Length	12 mm
Terminal Type	Screw Terminals

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**Environmental**


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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
RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
Environmental Information	2CSC422002K2701
REACH Declaration	9AKK108467A9482

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**Dimensions**


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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 <sub>2</sub> )	69 mm

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**Container Information**


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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	8012542637516
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	8012542568117

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**Ordering**


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

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## Certificates and Declarations (Document Number)

CB Certificate	9AKK107492A6062
CCC Certificate	9AKK107492A6068
Declaration of Conformity - CE	9AKK106713A5588
EAC Certificate	9AKK107492A6071 9AKK107991A7755
Environmental Information	2CSC422002K2701
GOST Certificate	9AKK107992A1640
IMQ Certificate	9AKK107492A6073
Instructions and Manuals	9AKK107492A6006
REACH Declaration	9AKK108467A9482
RoHS Information	9AKK106713A5588

## 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	85363010
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

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## Categories

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

