



PRODUCT-DETAILS

DS201 L H C16 F30

DS201 L H C16 F30 Residual Current Circuit Breaker with Overcurrent Protection



General Information	
Extended Product Type	DS201 L H C16 F30
Product ID	2CSR245573R1164
EAN	8012542499213
Catalog Description	DS201 L H C16 F30 Residual Current Circuit Breaker with Overcurrent Protection
Long Description	The DS201 L H 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. 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 <u>single phase inverters.</u>
Technical	
Standards	EN 61009-1 EN 61009-2-1
Tripping Characteristic	C
Type of Residual Current	Type F
Rated Operational Voltage	acc. to IEC 60898-1 230 V
Rated Insulation Voltage (U _i)	acc. to IEC/EN 60664-1 500 V

Rated Impulse Withstand Voltage (U _{imp})	4 kV
Dielectric Test Voltage	2 kV
Input Voltage Type	AC
Rated Current (I _n)	16 A
Rated Residual Current	30 mA
Rated Short-Circuit Capacity	4.5 kA
Rated Ultimate Short-Circuit Breaking Capacity (I _{cu})	6 kA
Rated Conditional Short-Circuit Current (I _{nc})	6 kA
Rated Service Short-Circuit Breaking Capacity, in % of I _{cu} (I _{cs})	4.5 kA
Maximum Surge Current	0.25 kA
Leakage Current Type	F
Frequency (f)	50/60 Hz
Rated Frequency (f)	50 Hz
Power Loss	Average per Pole 2.3 W Phase Pole 3.4 W Neutral Pole 1.2 W Total 4.5 W
Power Supply Connection	Arbitrary
Energy Limiting Class	3
Electrical Endurance	10000 cycle
Mechanical Endurance	20000 cycle
Number of Protected Poles	1
Number of Poles	2
Operating Characteristic	Instantaneous (APR High Immunity)
Overvoltage Category	III
Position of Neutral Terminals	Right
Earthing Switch Type	Undelayed
Options Provided	None
Accessories Available	No
Number of Batteries	0
Connecting Capacity	Flexible 10 mm² Busbar 1 ... 25 mm² Rigid 1 ... 25 mm²
Rated Cross-Section	1 - Solid-Core 25 ... 25 mm² 4 - Multi-Wired 1 ... 25 mm²

Material Compliance

RoHS Information	9AKK107492A8511
RoHS Status	Following EU Directive 2011/65/EU
RoHS Date	20190902
REACH Declaration	9AKK108467A9482
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363

Environmental

Ambient Air Temperature	Operation -5 ... 55 °C
Degree of Protection	IP2X
Pollution Degree	2

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	0.182 kg
Built-In Depth (t ₂)	69 mm

Ordering	
Package Level 1 Units	box 1 piece
Package Level 1 Gross Weight	0.207 kg

Certificates and Declarations	
Declaration of Conformity - CE	9AKK107492A8511

Installation	
Instructions and Manuals	9AKK107492A6712

Popular Downloads	
Data Sheet, Technical Information	9AKK107492A6648

Classifications	
ETIM 8	EC000905 - Earth leakage circuit breaker
ETIM 9	EC000905 - Earth leakage 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	
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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



360°