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 PRODUCT-DETAILS

# DS201 L H C25 F30

## DS201 L H C25 F30 Residual Current Circuit Breaker with Overcurrent Protection




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**General Information**

Extended Product Type	DS201 L H C25 F30
Product ID	2CSR245573R1254
EAN	8012542352723
Catalog Description	DS201 L H C25 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> .

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**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 <sub>i</sub> )	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 ( $I_n$ )	25 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 4.1 W Phase Pole 5.5 W Neutral Pole 2.6 W Total 8.1 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 mm <sup>2</sup> Busbar 1 ... 25 mm <sup>2</sup> Rigid 1 ... 25 mm <sup>2</sup>
Rated Cross-Section	1 - Solid-Core 25 ... 25 mm <sup>2</sup> 4 - Multi-Wired 1 ... 25 mm <sup>2</sup>

## 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

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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	0.182 kg
Built-In Depth (t <sub>2</sub> )	69 mm

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### Ordering

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

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### Certificates and Declarations

Declaration of Conformity - CE	9AKK107492A8511
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### Installation

Instructions and Manuals	9AKK107492A6712
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### Popular Downloads

Data Sheet, Technical Information	9AKK107492A6648
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### 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	85363030
eClass	V11.0 : 27142207
Object Classification Code	F

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### Categories

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

