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 PRODUCT-DETAILS

# DS201 L H C10 AC30

## DS201 L H C10 AC30 Residual Current Circuit Breaker with Overcurrent Protection




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**General Information**

|                       |   |
|-----------------------|---|
| Extended Product Type | DS201 L H C10 AC30  |
| Product ID            | 2CSR245073R1104   |
| EAN                   | 8012542344414   |
| Catalog Description   | DS201 L H C10 AC30 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 earth fault currents; protection against indirect contacts and additional protection against direct contacts. |

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**Technical**

|   |                              |
|---|------------------------------|
| Standards   | EN 61009-1<br>EN 61009-2-1   |
| Tripping Characteristic                             | C                            |
| Type of Residual Current                            | Type AC                      |
| 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 <sub>imp</sub> ) | 4 kV                         |
| Dielectric Test Voltage                             | 2 kV                         |

|  |  |
|--|--|
| Input Voltage Type   | AC   |
| Rated Current ( $I_n$ )  | 10 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   | AC   |
| Frequency (f)  | 50/60 Hz   |
| Rated Frequency (f)  | 50 Hz  |
| Power Loss   | Average per Pole 1.2 W<br>Phase Pole 1.8 W<br>Neutral Pole 0.5 W<br>Total 2.3 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  |
| 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><br>Busbar 1 ... 25 mm <sup>2</sup><br>Rigid 1 ... 25 mm <sup>2</sup> |
| Rated Cross-Section  | 1 - Solid-Core 25 ... 25 mm <sup>2</sup><br>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                      |

## 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

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|--------------------------------|-----------------|
| Declaration of Conformity - CE | 9AKK107492A8511 |
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## Installation

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|--------------------------|-----------------|
| 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                        | 85363010   |
| 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

