

PRODUCT-DETAILS

# DSH201 C16 AC30

## DSH201 C16 AC30 Residual Current Circuit Breaker with Overcurrent Protection



### General Information

|                       |                                                                                                                                                        |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | DSH201 C16 AC30                                                                                                                                        |
| Product ID            | 2CSR255070R1164                                                                                                                                        |
| EAN                   | 8012542353812                                                                                                                                          |
| Catalog Description   | DSH201 C16 AC30 Residual Current Circuit Breaker with Overcurrent Protection                                                                           |
| Long Description      | The DSH201 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 |

### Technical

|                                           |                                                              |
|-------------------------------------------|--------------------------------------------------------------|
| Standards                                 | IEC 61009-1<br>EN 61009-1<br>IEC 61009-2-1<br>EN 61009-2-1   |
| Product Name                              | Residual Current Circuit Breaker with Overcurrent Protection |
| Tripping Characteristic                   | C                                                            |
| Type of Residual Current                  | AC type                                                      |
| Rated Operational Voltage                 | 230 V AC                                                     |
| Dielectric Test Voltage                   | 2 kV                                                         |
| Input Voltage Type                        | AC                                                           |
| Rated Current ( $I_n$ )                   | 16 A                                                         |
| Rated Residual Current                    | 30 mA                                                        |
| Rated Short-Circuit Capacity ( $I_{cn}$ ) | 6 kA                                                         |
| Rated Ultimate Short-                     | 10 kA                                                        |

|                                                      |                                                                                                    |
|------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| Circuit Breaking Capacity ( $I_{cu}$ )               |                                                                                                    |
| Rated Conditional Short-Circuit Current ( $I_{nc}$ ) | 10 kA                                                                                              |
| Maximum Surge Current                                | 0 kA                                                                                               |
| Leakage Current Type                                 | AC                                                                                                 |
| Frequency (f)                                        | 50/60 Hz                                                                                           |
| Rated Frequency (f)                                  | 50 Hz                                                                                              |
| Power Loss                                           | 3.3 W                                                                                              |
| Power Supply Connection                              | Arbitrary                                                                                          |
| Electrical Endurance                                 | 10000 cycle<br>20000 cycle                                                                         |
| Number of Poles                                      | 2                                                                                                  |
| Number of Protected Poles                            | 1                                                                                                  |
| Operating Characteristic                             | Instantaneous                                                                                      |
| Overvoltage Category                                 | III                                                                                                |
| Position of Neutral Terminals                        | Right                                                                                              |
| Accessories Available                                | No                                                                                                 |
| Connecting Capacity                                  | Busbar 10 mm <sup>2</sup><br>Rigid 25 ... 25 mm <sup>2</sup><br>Flexible 25 ... 25 mm <sup>2</sup> |

## Environmental

|                         |                                                    |
|-------------------------|----------------------------------------------------|
| Ambient Air Temperature | Operation -25 ... +55 °C<br>Storage -40 ... +70 °C |
| Degree of Protection    | IP2X                                               |
| Pollution Degree        | 2                                                  |
| RoHS Status             | Following EU Directive 2011/65/EU                  |

## Technical UL/CSA

|                                     |        |
|-------------------------------------|--------|
| Short-Circuit Current Rating (SCCR) | 0.03 A |
|-------------------------------------|--------|

## 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    |

## Container Information

|                                |             |
|--------------------------------|-------------|
| Package Level 1 Units          | box 1 piece |
| Package Level 1 Width          | 0.040 m     |
| Package Level 1 Height         | 0.106 m     |
| Package Level 1 Depth / Length | 0.080 m     |
| Package Level 1 Gross Weight   | 0.207 kg    |

|                                |               |
|--------------------------------|---------------|
| Package Level 1 EAN            | 8012542353812 |
| Package Level 2 Units          | 5 piece       |
| Package Level 2 Width          | 0.2 m         |
| Package Level 2 Height         | 0.106 m       |
| Package Level 2 Depth / Length | 0.08 m        |
| Package Level 2 Gross Weight   | 1.035 kg      |
| Package Level 2 EAN            | 8012542388456 |

## Ordering

|                         |            |
|-------------------------|------------|
| Minimum Order Quantity  | 5 piece    |
| Customs Tariff Number   | 85363010   |
| Country of Origin       | Italy (IT) |
| Selling Unit of Measure | piece      |

## Certificates and Declarations (Document Number)

|                                |                 |
|--------------------------------|-----------------|
| Declaration of Conformity - CE | 9AKK107492A2001 |
| Instructions and Manuals       | 9AKK1074920470  |
| RoHS Information               | 9AKK107492A2179 |

## Popular Downloads

|                                   |                 |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 9AKK107492A1478 |
| Instructions and Manuals          | 9AKK1074920470  |

## Classifications

|                            |                                                            |
|----------------------------|------------------------------------------------------------|
| ETIM 7                     | EC000905 - Earth leakage circuit breaker                   |
| ETIM 8                     | 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                                                   |
| 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

