

## PRODUCT-DETAILS

# DSP201 C40 A30

## DSP201 C40 A30 Residual Current Circuit Breaker with Overcurrent Protection



### General Information

|                       |                                                                                                                                                                                                                                                                                                                                                           |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | DSP201 C40 A30                                                                                                                                                                                                                                                                                                                                            |
| Product ID            | 2CSR255174R1404                                                                                                                                                                                                                                                                                                                                           |
| EAN                   | 8012542077718                                                                                                                                                                                                                                                                                                                                             |
| Catalog Description   | DSP201 C40 A30 Residual Current Circuit Breaker with Overcurrent Protection                                                                                                                                                                                                                                                                               |
| Long Description      | The DSP201 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 61009-1, IEC 61009-2-1, EN 61009-1, EN 61009-2-1         |
| Product Name                                  | Residual Current Circuit Breaker with Overcurrent Protection |
| Tripping Characteristic                       | C                                                            |
| Type of Residual Current                      | A type                                                       |
| Rated Voltage ( $U_r$ )                       | 230 V AC                                                     |
| Rated Operational Voltage                     | 230 V AC                                                     |
| Rated Insulation Voltage ( $U_i$ )            | 500 V                                                        |
| Rated Impulse Withstand Voltage ( $U_{imp}$ ) | 4 kV                                                         |
| Dielectric Test Voltage                       | 2 kV                                                         |
| Input Voltage Type                            | AC                                                           |

|                                                                              |                                                                                                    |
|------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| Rated Current ( $I_n$ )                                                      | 40 A                                                                                               |
| Rated Residual Current                                                       | 30 mA                                                                                              |
| Rated Short-Circuit Capacity ( $I_{cn}$ )                                    | 6 kA                                                                                               |
| Rated Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ )                  | 7.5 kA                                                                                             |
| Rated Service Short-Circuit Breaking Capacity, in % of $I_{cu}$ ( $I_{cs}$ ) | 6 kA                                                                                               |
| Leakage Current Type                                                         | A                                                                                                  |
| Frequency (f)                                                                | 50/60 Hz                                                                                           |
| Rated Frequency (f)                                                          | 50/60 Hz                                                                                           |
| Power Loss                                                                   | 5 W                                                                                                |
| Power Supply Connection                                                      | Arbitrary                                                                                          |
| Energy Limiting Class                                                        | 3                                                                                                  |
| Electrical Endurance                                                         | 10000 cycle                                                                                        |
|                                                                              | 20000 cycle                                                                                        |
| Number of Poles                                                              | 1+N                                                                                                |
| Number of Protected Poles                                                    | 1                                                                                                  |
| Operating Characteristic                                                     | Instantaneous                                                                                      |
| Overvoltage Category                                                         | III                                                                                                |
| Position of Neutral Terminals                                                | Right                                                                                              |
| Earthing Switch Type                                                         | Undelayed                                                                                          |
| Accessories Available                                                        | Yes                                                                                                |
| Number of Batteries                                                          | 0                                                                                                  |
| Connecting Capacity                                                          | Busbar 10 mm <sup>2</sup><br>Rigid 25 ... 25 mm <sup>2</sup><br>Flexible 25 ... 25 mm <sup>2</sup> |
| Rated Cross-Section                                                          | 1 - Solid-Core 0.75 ... 25 mm <sup>2</sup><br>4 - Multi-Wired 0.75 ... 16 mm <sup>2</sup>          |

## Environmental

|                         |                                                    |
|-------------------------|----------------------------------------------------|
| Ambient Air Temperature | Operation -25 ... +55 °C<br>Storage -40 ... +70 °C |
| Degree of Protection    | IP20                                               |
| Pollution Degree        | 2                                                  |

## 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 ( $t_2$ )            | 35 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   | 207 g         |
| Package Level 1 EAN            | 8012542077718 |

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**Ordering**

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|-------------------------|------------|
| Minimum Order Quantity  | 1 piece    |
| Customs Tariff Number   | 85363010   |
| Country of Origin       | Italy (IT) |
| Selling Unit of Measure | piece      |

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**Certificates and Declarations (Document Number)**

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|--------------------------------|-----------------------|
| Declaration of Conformity - CE | No declaration needed |
| Instructions and Manuals       | No document needed    |

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**Popular Downloads**

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|                                   |                    |
|-----------------------------------|--------------------|
| Data Sheet, Technical Information | No document needed |
| Instructions and Manuals          | No document needed |

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**Classifications**

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|                            |                                                            |
|----------------------------|------------------------------------------------------------|
| ETIM 6                     | EC000905 - Earth leakage circuit breaker                   |
| 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                                                          |

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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

