

## PRODUCT-DETAILS

# DSE201 M C6 A30 - N Black

## DSE201 M C6 A30 - N Black Residual Current Circuit Breaker with Overcurrent Protection



### General Information

|                       |                                                                                                                                                                                                                                                                                                                                                     |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | DSE201 M C6 A30 - N Black                                                                                                                                                                                                                                                                                                                           |
| Product ID            | 2CSR275153R1064                                                                                                                                                                                                                                                                                                                                     |
| EAN                   | 8012542518037                                                                                                                                                                                                                                                                                                                                       |
| Catalog Description   | DSE201 M C6 A30 - N Black Residual Current Circuit Breaker with Overcurrent Protection                                                                                                                                                                                                                                                              |
| Long Description      | DSE201 M is a 1P+N residual current circuit breaker with overcurrent protection (RCBO) in one module for the protection against short-circuit currents, overload, earth fault currents, indirect contacts, additional protection against direct contacts (30 mA versions). DSE201 M is equipped with supply neutral wire and functional earth wire. |

### Technical

|                                    |                                                               |
|------------------------------------|---------------------------------------------------------------|
| Standards                          | IEC 61009-1<br>IEC 61009-2-2<br>BS EN 61009-1<br>AS/NZS 61009 |
| Product Name                       | Residual Current Circuit Breaker with Overcurrent Protection  |
| Tripping Characteristic            | C                                                             |
| Type of Residual Current           | A type                                                        |
| Rated Voltage ( $U_r$ )            | 230-240 V AC                                                  |
| Rated Operational Voltage          | 230-240 V AC                                                  |
| Rated Insulation Voltage ( $U_i$ ) | 500 V                                                         |

|                                                                                           |                                                                                                                                                                   |
|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Maximum Operating Voltage                                                                 | 264 V                                                                                                                                                             |
| Test Voltage (Ut)                                                                         | 195 ... 264 V                                                                                                                                                     |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> )                                       | 4 kV                                                                                                                                                              |
| Dielectric Test Voltage                                                                   | 2.5 kV                                                                                                                                                            |
| Primary Rated Impulse Withstand Voltage                                                   | 4 kV                                                                                                                                                              |
| Input Voltage Type                                                                        | AC                                                                                                                                                                |
| Rated Current (I <sub>n</sub> )                                                           | 6 A                                                                                                                                                               |
| Rated Residual Current                                                                    | 30 mA                                                                                                                                                             |
| Rated Short-Circuit Capacity (I <sub>cn</sub> )                                           | 10 kA                                                                                                                                                             |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> )                         | 15 kA                                                                                                                                                             |
| Rated Residual Breaking Capacity (IΔm)                                                    | 10 kA                                                                                                                                                             |
| Rated Conditional Short-Circuit Current (I <sub>nc</sub> )                                | 10 kA                                                                                                                                                             |
| Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> )                          | 7.5 kA                                                                                                                                                            |
| Rated Service Short-Circuit Breaking Capacity, in % of I <sub>cu</sub> (I <sub>cs</sub> ) | 10 kA                                                                                                                                                             |
| Maximum Surge Current                                                                     | 0.25 kA                                                                                                                                                           |
| Leakage Current Type                                                                      | A                                                                                                                                                                 |
| Frequency (f)                                                                             | 50/60 Hz                                                                                                                                                          |
| Rated Frequency (f)                                                                       | 50...60 Hz                                                                                                                                                        |
| Power Loss                                                                                | 1.8 W                                                                                                                                                             |
| Power Supply Connection                                                                   | Bottom                                                                                                                                                            |
| Contact Position Indication                                                               | Red ON / Green OFF                                                                                                                                                |
| Energy Limiting Class                                                                     | 3                                                                                                                                                                 |
| Electrical Endurance                                                                      | 10000 cycle                                                                                                                                                       |
|                                                                                           | 20000 cycle                                                                                                                                                       |
| Number of Poles                                                                           | 1+N                                                                                                                                                               |
| Number of Protected Poles                                                                 | 1                                                                                                                                                                 |
| Fault Indication                                                                          | Blue window                                                                                                                                                       |
| Operating Characteristic                                                                  | Instantaneous                                                                                                                                                     |
| Overvoltage Category                                                                      | III                                                                                                                                                               |
| Position of Neutral Terminals                                                             | Right                                                                                                                                                             |
| Tightening Torque                                                                         | Top 1.2 N·m<br>Bottom 2.8 N·m                                                                                                                                     |
| Accessory Type                                                                            | Auxiliary contact<br>Signal contact / auxiliary contact<br>Shunt trip<br>Undervoltage release<br>Overvoltage release<br>Auxiliary contact for MCBs bottom fitting |

|                       |                                                                                                                                                                                                                |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Actuator Type         | Toggle - Insulation group II, black, sealable in ON-OFF positions                                                                                                                                              |
| Earthing Switch Type  | Undelayed                                                                                                                                                                                                      |
| Housing Type          | Insulation group II, RAL 7035                                                                                                                                                                                  |
| Mounting Type         | on DIN rail EN 60715 (35 mm) by means of fast clip device in consumer unit<br>Type A according to IEC 61439-1&3, BS EN 61439-1&3, in distribution board<br>Type B according to IEC 61439-1&3, BS EN 61439-1&3. |
| Release Type          | C                                                                                                                                                                                                              |
| Screw Terminal Type   | Cage Terminal                                                                                                                                                                                                  |
| Options Provided      | None                                                                                                                                                                                                           |
| Accessories Available | Yes                                                                                                                                                                                                            |
| Connecting Capacity   | Busbar 10 mm²<br>Rigid 35 ... 35 mm²<br>Flexible 25 ... 25 mm²                                                                                                                                                 |
| Rated Cross-Section   | 4 - Multi-Wired 1...35 mm²<br>1 - Solid-Core 35...35 mm²                                                                                                                                                       |
| Terminal Type         | Screw Terminals                                                                                                                                                                                                |

## Environmental

|                                                   |                                                           |
|---------------------------------------------------|-----------------------------------------------------------|
| Ambient Temperature                               | -25...55 °C                                               |
| Ambient Air Temperature                           | Operation -25...55 °C                                     |
| Reference Ambient Air Temperature                 | 30 °C                                                     |
| Degree of Protection                              | Housing IP40<br>Terminals IP20                            |
| Pollution Degree                                  | 2                                                         |
| Environmental Conditions                          | 28 cycles<br>with 55 °C / 90-96 %<br>and 25 °C / 95-100 % |
| Resistance to Vibrations<br>acc. to IEC 60068-2-6 | 0.35mm or 5g - 20 cycles at 5...150...5 Hz without load   |
| Resistance to Shock acc.<br>to IEC 60068-2-27     | 30g / 2 shocks / 13 ms                                    |
| RoHS Status                                       | Following EU Directive 2011/65/EU                         |

## Technical UL/CSA

|                                        |        |
|----------------------------------------|--------|
| Short-Circuit Current<br>Rating (SCCR) | 0.03 A |
|----------------------------------------|--------|

## Dimensions

|                                        |          |
|----------------------------------------|----------|
| Width in Number of<br>Modular Spacings | 1        |
| Product Net Width                      | 0.018 m  |
| Product Net Height                     | 0.115 m  |
| Product Net Depth /<br>Length          | 0.069 m  |
| Product Net Weight                     | 0.200 kg |
| Built-In Depth (t <sub>2</sub> )       | 68.9 mm  |

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## Container Information

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|                                |               |
|--------------------------------|---------------|
| Package Level 1 Units          | box 1 piece   |
| Package Level 1 Width          | 0.036 m       |
| Package Level 1 Height         | 0.088 m       |
| Package Level 1 Depth / Length | 0.143 m       |
| Package Level 1 Gross Weight   | 0.220 kg      |
| Package Level 1 EAN            | 8012542518037 |

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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 | 9AKK106930A0955 |
| Instructions and Manuals       | 9AKK106930A0912 |
| RoHS Information               | 9AKK106930A1510 |

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## Popular Downloads

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|                                   |                 |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 9AKK106930A0939 |
| Instructions and Manuals          | 9AKK106930A0912 |

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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

