

## PRODUCT-DETAILS

# DS201T B32 A30

# DS201T B32 A30 RCBO



## General Information

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | DS201T B32 A30                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Product ID            | 2CSR255188R1325                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| EAN                   | 8012542576914                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Catalog Description   | DS201T B32 A30 RCBO                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Long Description      | The DS201T series RCBO is a 1P+N in two-modules device 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). DS201T meets the demand of a device suitable for installation in rolling stock equipment. |

## Technical

|                                    |                                                      |
|------------------------------------|------------------------------------------------------|
| Standards                          | IEC 61009-1, IEC 61009-2-1, EN 61009-1, EN 61009-2-1 |
| Operating Characteristic           | Instantaneous                                        |
| Type of Residual Current           | A type                                               |
| Number of Poles                    | 2                                                    |
| Number of Protected Poles          | 1                                                    |
| Rated Current ( $I_n$ )            | 32 A                                                 |
| Rated Current Sensitivity          | 0.03 A                                               |
| Rated Voltage ( $U_r$ )            | 230 V AC                                             |
| Rated Insulation Voltage ( $U_i$ ) | 500 V                                                |

|                                                                   |                                                                                                                                                                                        |
|-------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Overvoltage Category                                              | III                                                                                                                                                                                    |
| Pollution Degree                                                  | 2                                                                                                                                                                                      |
| Test Voltage (U <sub>t</sub> )                                    | 170 ... 264 V                                                                                                                                                                          |
| Rated Frequency (f)                                               | 50/60 Hz                                                                                                                                                                               |
| Rated Short-Circuit Capacity (I <sub>cn</sub> )                   | 6 kA                                                                                                                                                                                   |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> ) | 10 kA                                                                                                                                                                                  |
| Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> )  | 7.5 kA                                                                                                                                                                                 |
| Rated Residual Breaking Capacity (I $\Delta$ m)                   | EN 61009-1 6000 A<br>IEC 61009-1 4500 A                                                                                                                                                |
| Primary Rated Impulse Withstand Voltage                           | 4 kV                                                                                                                                                                                   |
| Dielectric Test Voltage                                           | 2.5 kV                                                                                                                                                                                 |
| Tripping Characteristic                                           | B                                                                                                                                                                                      |
| Energy Limiting Class                                             | 3                                                                                                                                                                                      |
| Housing Type                                                      | Insulation group I - II, RAL 7035                                                                                                                                                      |
| Actuator Type                                                     | Toggle - Insulation group II, Black RAL 9005, sealable in ON-OFF positions                                                                                                             |
| Contact Position Indication                                       | Red ON / Green OFF                                                                                                                                                                     |
| Fault Indication                                                  | Blue flag on toggle                                                                                                                                                                    |
| Electrical Endurance                                              | 10000 cycle<br>20000 cycle                                                                                                                                                             |
| Degree of Protection                                              | Terminals IP20<br>Housing IP40                                                                                                                                                         |
| Resistance to Shock acc. to IEC 60068-2-27                        | 25g / 2 shocks / 13 ms                                                                                                                                                                 |
| Resistance to Vibrations acc. to IEC 60068-2-6                    | 0.1 mm or 1 g - 20 cycles at 5...150...5 Hz                                                                                                                                            |
| Environmental Conditions                                          | 28 cycles<br>with 55 °C / 90-96 %<br>and 25 °C / 95-100 %                                                                                                                              |
| Reference Ambient Air Temperature                                 | 30 °C                                                                                                                                                                                  |
| Terminal Type                                                     | Screw Terminals                                                                                                                                                                        |
| Screw Terminal Type                                               | Failsafe Bi-directional Cylinder-lift Terminal                                                                                                                                         |
| Cable Size                                                        | 25 mm <sup>2</sup>                                                                                                                                                                     |
| Connecting Capacity                                               | Busbar 10/10 mm <sup>2</sup><br>Stranded 0.75 ... 25 mm <sup>2</sup><br>Flexible with Ferrule 0.75 ... 16 mm <sup>2</sup><br>Flexible 0.75 ... 16 mm <sup>2</sup>                      |
| Tightening Torque                                                 | 2.8 N·m                                                                                                                                                                                |
| Wire Stripping Length                                             | 12 mm                                                                                                                                                                                  |
| Mounting Type                                                     | on DIN rail EN 60715 (35mm) by means of mounting clip                                                                                                                                  |
| Mounting Position                                                 | Any                                                                                                                                                                                    |
| Power Supply Connection                                           | Arbitrary                                                                                                                                                                              |
| Position of Neutral Terminals                                     | Right                                                                                                                                                                                  |
| Power Loss                                                        | 6.4 W                                                                                                                                                                                  |
| Number of Modular Spacings per DIN Rail                           | 2                                                                                                                                                                                      |
| Accessory Type                                                    | Auxiliary contact<br>Signal contact / auxiliary contact<br>Shunt trip<br>Auxiliary contact for bottom fitting<br>Undervoltage release<br>Overvoltage release<br>Motor operating device |

## Environmental

|                         |                                                    |
|-------------------------|----------------------------------------------------|
| Ambient Air Temperature | Operation -25 ... +55 °C<br>Storage -40 ... +70 °C |
|-------------------------|----------------------------------------------------|

## Dimensions

|                            |          |
|----------------------------|----------|
| 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 |

## Container Information

|                                |               |
|--------------------------------|---------------|
| 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   | 225 g         |
| Package Level 1 EAN            | 8012542576914 |
| Package Level 2 Units          | 5 piece       |
| Package Level 2 Width          | 200 mm        |
| Package Level 2 Height         | 106 mm        |
| Package Level 2 Depth / Length | 80 mm         |
| Package Level 2 Gross Weight   | 1125 g        |
| Package Level 2 EAN            | 8012542345015 |

## Ordering

|                        |          |
|------------------------|----------|
| Minimum Order Quantity | 1 piece  |
| Customs Tariff Number  | 85363010 |
| E-Number (Sweden)      | 2160097  |

## Certificates and Declarations (Document Number)

|                                |                 |
|--------------------------------|-----------------|
| CB Certificate                 | 9AKK107492A6060 |
| CCC Certificate                | 9AKK107680A1640 |
| Declaration of Conformity - CE | 9AKK106713A5588 |
| EAC Certificate                | 9AKK107680A1556 |
| Environmental Information      | 2CSC422002K2701 |
| Instructions and Manuals       | 9AKK107492A6006 |
| RoHS Information               | 2CSC422002K2701 |

## Popular Downloads

|                                   |                 |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 9AKK107492A6187 |
| Instructions and Manuals          | 9AKK107492A6006 |

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### Classifications

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| Object Classification Code |                                          | Q |
|----------------------------|------------------------------------------|---|
| ETIM 6                     | EC000905 - Earth leakage circuit breaker |   |
| ETIM 7                     | EC000905 - Earth leakage circuit breaker |   |

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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

