

## PRODUCT-DETAILS

# DS201T B13 A30

# DS201T B13 A30 RCBO



## General Information

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | DS201T B13 A30                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Product ID            | 2CSR255188R1135                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| EAN                   | 8012542591214                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Catalog Description   | DS201T B13 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 ( $I_n$ )   | 13 A                                                 |
| Rated Current Sensitivity | 0.03 A                                               |
|                           | 230 V AC                                             |

|                                                             |                                                                                                                                                                   |
|-------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Rated Voltage ( $U_r$ )                                     |                                                                                                                                                                   |
| Rated Insulation Voltage ( $U_i$ )                          | 500 V                                                                                                                                                             |
| Overvoltage Category                                        | III                                                                                                                                                               |
| Pollution Degree                                            | 2                                                                                                                                                                 |
| Test Voltage ( $U_t$ )                                      | 170 ... 264 V                                                                                                                                                     |
| Rated Frequency (f)                                         | 50/60 Hz                                                                                                                                                          |
| Rated Short-Circuit Capacity ( $I_{cn}$ )                   | 6 kA                                                                                                                                                              |
| Rated Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ ) | 10 kA                                                                                                                                                             |
| Rated Service Short-Circuit Breaking Capacity ( $I_{cs}$ )  | 7.5 kA                                                                                                                                                            |
| Rated Residual Breaking Capacity ( $I_{\Delta m}$ )         | EN 61009-1 6000 A<br>IEC 61009-1 6000 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                              | 2.5 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            | 8012542591214 |
| 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            | 8012542345213 |

## Ordering

|                        |          |
|------------------------|----------|
| Minimum Order Quantity | 1 piece  |
| Customs Tariff Number  | 85363010 |
| E-Number (Sweden)      | 2160093  |

| Certificates and Declarations (Document Number) |                 |
|-------------------------------------------------|-----------------|
| CB Certificate                                  | 9AKK107492A6060 |
| CCC Certificate                                 | 9AKK107680A1640 |
| Declaration of Conformity<br>- CE               | 9AKK106713A5588 |
| EAC Certificate                                 | 9AKK107680A1556 |
| Environmental Information                       | 2CSC422002K2701 |
| Instructions and Manuals                        | 9AKK107492A6006 |
| RoHS Information                                | 2CSC422002K2701 |

| Popular Downloads                    |                 |
|--------------------------------------|-----------------|
| Data Sheet, Technical<br>Information | 9AKK107492A6187 |
| Instructions and Manuals             | 9AKK107492A6006 |

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

Categories

Low Voltage Products and Systems → Modular DIN Rail Products → Residual Current Devices RCDs → Residual Current Circuit Breakers with Overcurrent Protection RCBO

