

PRODUCT-DETAILS

# DS201 C6 APR30

## I.com.DS200 1p+N C 6A A APR 10kA 30mA



### Información General

|                       |                                       |
|-----------------------|---------------------------------------|
| Extended Product Type | DS201 C6 APR30                        |
| Product ID            | 2CSR255480R1064                       |
| EAN                   | 8012542326212                         |
| Catalog Description   | I.com.DS200 1p+N C 6A A APR 10kA 30mA |

**Long Description**

The DS201 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 and direct pulsating earth fault currents; protection against indirect contacts and additional protection against direct contacts (with sensitivity = 30 mA). The APR type provides an optimal trade-off between safety and continuity of service, thanks to the resistance to unwanted trippings, offering good protection and isolation of resistive and inductive loads.

### Technical

|                           |                                  |
|---------------------------|----------------------------------|
| Standards                 | IEC/EN 61009-1, IEC/EN 61009-2-1 |
| Type of Residual Current  | A type                           |
| Number of Poles           | 2                                |
| Number of Protected Poles | 1                                |
| Rated Current ( $I_n$ )   | 6 A                              |
| Rated Current Sensitivity | 0.03 A                           |
| Rated Voltage ( $U_r$ )   | 230 V                            |

|  |   |
|--|---|
| Rated Insulation Voltage<br>( $U_i$ )                              | 500 V   |
| Overvoltage Category   | III   |
| Pollution Degree   | 2   |
| Test Voltage ( $U_t$ )   | 170 ... 264 V   |
| Rated Frequency (f)  | 50 ... 60 Hz  |
| Rated Short-Circuit<br>Capacity ( $I_{cn}$ )                       | 6 kA  |
| Rated Ultimate Short-<br>Circuit Breaking Capacity<br>( $I_{cu}$ ) | 10 kA   |
| Rated Service Short-<br>Circuit Breaking Capacity<br>( $I_{cs}$ )  | 7.5 kA  |
| Rated Residual Breaking<br>Capacity ( $I_{\Delta m}$ )             | EN 61009-1 6000 A<br>IEC 61009-1 6000 A   |
| Primary Rated Impulse<br>Withstand Voltage                         | 4 kV  |
| Dielectric Test Voltage  | 2.5 kV  |
| Tripping Characteristic  | C   |
| Energy Limiting Class  | 3   |
| Surge Immunity acc. to<br>IEC 61000-4-5                            | 3000 A  |
| Housing Type   | Insulation group I - II, RAL 7035   |
| Actuator Type  | Toggle - Insulation group II, Black RAL 9005, sealable in ON-OFF positions  |
| Contact Position<br>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.<br>to IEC 60068-2-27                      | 25g / 2 shocks / 13 ms  |
| Resistance to Vibrations<br>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<br>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                              | 2.4 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 |

## Ambiente

|                         |                            |
|-------------------------|----------------------------|
| Ambient Air Temperature | Funcionamiento -25...55 °C |
|-------------------------|----------------------------|

## Technical UL/CSA

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

## Dimensiones

|                            |          |
|----------------------------|----------|
| Product Net Width          | 0.035 m  |
| Product Net Height         | 0.085 m  |
| Product Net Depth / Length | 0.069 m  |
| Product Net Weight         | 0.200 kg |

## Información de Embalaje

|                                |               |
|--------------------------------|---------------|
| 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            | 8012542326212 |
| 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            | 8012542585015 |

## Clasificación

|                        |          |
|------------------------|----------|
| Minimum Order Quantity | 1 piece  |
| Customs Tariff Number  | 85363010 |
| E-Number (Sweden)      | 2100459  |

### Certificados y Declaraciones (Número de Documento)

|                                   |                 |
|-----------------------------------|-----------------|
| Declaration of Conformity<br>- CE | 9AKK106713A5588 |
| Environmental Information         | 2CSC422002K2701 |
| Instructions and Manuals          | 9AKK107492A6006 |
| RoHS Information                  | 2CSC422002K2701 |

### Descargas Populares

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

### Clasificaciones

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

### Categorías

Productos y sistemas de baja tensión → Aparatos modulares de instalación → Interruptores diferenciales → Interruptores diferenciales combinados

