

PRODUCT-DETAILS

# DS201 L C25 APR30

## DS201 L C25 APR30 Residual Current Circuit Breaker with Overcurrent Protection



### Informations générales

|                              |   |
|------------------------------|---|
| Extension du type de produit | DS201 L C25 APR30   |
| Code de produit              | 2CSR245480R1254   |
| EAN                          | 8012542639510   |
| Description courte           | DS201 L C25 APR30 Residual Current Circuit Breaker with Overcurrent Protection  |
| Description longue           | 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. |

### Technique

|  |                                  |
|--|----------------------------------|
| Normes et standards                    | IEC/EN 61009-1, IEC/EN 61009-2-1 |
| Tripping Characteristic                | C                                |
| Type of Residual Current               | A type                           |
| Tension nominale ( $U_n$ )             | 230 V                            |
| Tension                                | acc. to IEC 60898-1 240 V        |
| Tension assignée d'isolement ( $U_i$ ) | acc. to IEC/EN 60664-1 500 V     |

|   |  |
|---|--|
| Test Voltage (Ut)   | 170 ... 264 V  |
| Dielectric Test Voltage   | 2 kV   |
| Primary Rated Impulse Withstand Voltage                             | 4 kV   |
| Type de tension   | AC   |
| Courant nominal ( $I_n$ )   | 25 A   |
| Rated Residual Current  | 30 mA  |
| Rated Short-Circuit Capacity  | 4.5 kA   |
| Pouvoir assigné de coupure ultime en court-circuit ( $I_{cu}$ )     | 6 kA   |
| Rated Residual Breaking Capacity ( $I_{\Delta m}$ )                 | EN 61009-1 4500 A<br>IEC 61009-1 4500 A  |
| Rated Conditional Short-Circuit Current ( $I_{nc}$ )                | 6 kA   |
| Pouvoir assigné de coupure de service en court-circuit ( $I_{cs}$ ) | 4.5 kA   |
| Maximum Surge Current   | 3 kA   |
| Fréquence (f)   | 50/60 Hz   |
| Fréquence assignée (f)  | 50 ... 60 Hz   |
| Power Loss  | Average per Pole 4.1 W<br>Phase Pole 5.5 W<br>Neutral Pole 2.6 W<br>Total 8.1 W  |
| Power Supply Connection   | Arbitrary  |
| Contact Position Indication   | Red ON / Green OFF   |
| Classe de limitation d'énergie                                      | 3  |
| Electrical Endurance  | 10000 cycle  |
| Mechanical Endurance  | 20000 cycle  |
| Number of Protected Poles   | 1  |
| Nombre de pôles   | 2  |
| Number of Modular Spacings per DIN Rail                             | 2  |
| Fault Indication  | Blue flag on toggle  |
| Operating Characteristic  | Instantaneous (APR High Immunity)  |
| Catégorie de Surtension   | III  |
| Position of Neutral Terminals                                       | Right  |
| Couple de serrage   | 2.8 N·m  |
| Type d'accessoire   | Auxiliary contact, Signal contact / auxiliary contact, Shunt trip, Auxiliary contact for bottom fitting, Overvoltage release, Motor operating device |
| Actuator Type   | Toggle - Insulation group II, Black RAL 9005, sealable in ON-OFF positions   |
| Type d'enveloppe  | Insulation group I - II, RAL 7035  |
| Type de montage   | DIN-Rail   |
| Type de libération  | C  |
| Screw Terminal Type   | Failsafe Bi-directional Cylinder-lift Terminal   |

|                                      |   |
|--------------------------------------|---|
| Type d'encastrement                  | Any   |
| Accessories Available                | Oui   |
| Surge Immunity acc. to IEC 61000-4-5 | 3000 A  |
| Nombre de batteries                  | 0   |
| 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> |
| Wire Stripping Length                | 12 mm   |
| Type de borne                        | Screw Terminals   |

## Environnement

|  |  |
|--|--|
| Température extérieure                         | -25...55 °C  |
| Température de l'air ambiant                   | Operation -25 ... 55 °C  |
| Reference Ambient Air Temperature              | 30 °C  |
| Indice de protection                           | IP20<br>IP40   |
| Degré de pollution                             | 2  |
| Environmental Conditions                       | 28 cycles<br>with 55 °C / 90-96 %<br>and 25 °C / 95-100 %              |
| Resistance to Vibrations acc. to IEC 60068-2-6 | 0.1 mm or 1 g - 20 cycles at 5...150...5 Hz                            |
| Résistance aux chocs selon CEI 60068-2-27      | 25g 2 shocks 13 ms   |
| Statut RoHS                                    | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| Informations RoHS                              | 9AKK106713A5588  |
| REACH Declaration                              | 9AKK108467A9482  |
| Informations environnementales                 | 2CSC422002K2701  |
| Conflict Minerals Reporting Template (CMRT)    | 9AKK108468A3363  |

## Dimensions

|   |          |
|---|----------|
| Width in Number of Modular Spacings         | 2        |
| Produit Largeur Net                         | 0.035 m  |
| Produit Hauteur Net                         | 0.085 m  |
| Produit Longueur Net                        | 0.069 m  |
| Poids net                                   | 0.200 kg |
| Profondeur d'encastrement (t <sub>2</sub> ) | 69 mm    |

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## Commande

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|--------------------------|-------------|
| Emballage Niveau 1       | box 1 pièce |
| Unités                   |             |
| Emballage Niveau 1 Poids | 225 g       |

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## Certificats et Déclarations (Numéro de document)

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|                                   |                                    |
|-----------------------------------|------------------------------------|
| CB Certificate                    | 9AKK107492A6062                    |
| CCC Certificate                   | 9AKK107492A6068                    |
| Déclaration de Conformité<br>- CE | 9AKK106713A5588                    |
| EAC Certificate                   | 9AKK107492A6071<br>9AKK107991A7755 |
| Certificat GOST                   | 9AKK107992A1640                    |
| IMQ Certificate                   | 9AKK107492A6073                    |

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## Installation

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| Instructions et manuels | 9AKK107492A6006 |
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## Downloads Préférés

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|   |                 |
|---|-----------------|
| Fiche produit, informations<br>techniques | 9AKK107492A6187 |
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## Classifications

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|                                   |  |
|-----------------------------------|--|
| ETIM 8                            | EC000905 - Earth leakage circuit breaker                   |
| ETIM 9                            | EC000905 - Earth leakage circuit breaker                   |
| Catégorie DEEE                    | 5. Small Equipment (No External Dimension More Than 50 cm) |
| WEEE B2C / B2B                    | Business To Consumer                                       |
| CN8                               | 85363030   |
| eClass                            | V11.0 : 27142207   |
| Code de classification<br>d'objet | F  |

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## Accessories

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| Identifier      | Description                          | Type          | Quantity | Unit Of Measure |
|-----------------|--------------------------------------|---------------|----------|-----------------|
| 2CSS200911R0001 | S2C-UA 12 DC Undervoltage Release    | S2C-UA 12 DC  | 1        | piece           |
| 2CSS200911R0002 | S2C-UA 24 AC Undervoltage Release    | S2C-UA 24 AC  | 1        | piece           |
| 2CSS200911R0003 | S2C-UA 48 AC Undervoltage Release    | S2C-UA 48 AC  | 1        | piece           |
| 2CSS200911R0004 | S2C-UA 110 AC Undervoltage Release   | S2C-UA 110 AC | 1        | piece           |
| 2CSS200911R0005 | S2C-UA 230 AC Undervoltage Release   | S2C-UA 230 AC | 1        | piece           |
| 2CSS200911R0006 | S2C-UA 400 AC Undervoltage Release   | S2C-UA 400 AC | 1        | piece           |
| 2CSS200911R0007 | S2C-UA 24 DC Undervoltage Release    | S2C-UA 24 DC  | 1        | piece           |
| 2CSS200911R0008 | S2C-UA 48 DC Undervoltage Release    | S2C-UA 48 DC  | 1        | piece           |
| 2CSS200911R0009 | S2C-UA 110 DC Undervoltage Release   | S2C-UA 110 DC | 1        | piece           |
| 2CSS200911R0010 | S2C-UA 230 DC Undervoltage Release   | S2C-UA 230 DC | 1        | piece           |
| 2CDS200912R0001 | S2C-H6R Auxiliary Contact            | S2C-H6R       | 1        | piece           |
| 2CDS200922R0001 | S2C-S/H6R Signal / Auxiliary Contact | S2C-S/H6R     | 1        | piece           |
| 2CDS200946R0001 | S2C-H6-11R Auxiliary Contact         | S2C-H6-11R    | 1        | piece           |
| 2CDS200946R0002 | S2C-H6-20R Auxiliary Contact         | S2C-H6-20R    | 1        | piece           |
| 2CDS200946R0003 | S2C-H6-02R Auxiliary Contact         | S2C-H6-02R    | 1        | piece           |
| 2CDS200970R0031 | S2C-H01 Auxiliary Contact            | S2C-H01       | 1        | piece           |
| 2CDS200970R0032 | S2C-H10 Auxiliary Contact            | S2C-H10       | 1        | piece           |
| 2CSS200910R0005 | S2C-OVP1 Overvoltage release         | S2C-OVP1      | 1        | piece           |
| 2CSS200933R0011 | F2C-A1 Shunt trip                    | F2C-A1        | 1        | piece           |
| 2CSS200933R0012 | F2C-A2 Shunt trip                    | F2C-A2        | 1        | piece           |
| 2CSS200993R0005 | S2C-OVP2 Overvoltage release         | S2C-OVP2      | 1        | piece           |
| 2CSS203997R0013 | S2C-CM2/3 Motor operating device     | S2C-CM2/3     | 1        | piece           |

## Catégories

Produits basse tension → Appareillage modulaire et parafoudres → Protection différentielle → Disjoncteurs différentiels

