

PRODUCT-DETAILS

## S203-K25

### S203-K25 Interruptor automático - 3P - K - 25

A



#### Información General

|                            |  |
|----------------------------|--|
| Tipo de producto extendido | S203-K25   |
| Código de producto         | 2CDS253001R0517  |
| EAN                        | 4016779507561  |
| Descripción corta          | S203-K25 Interruptor automático - 3P - K - 25 A  |
| Descripción larga          | System pro M compact S200 miniature circuit breakers are current limiting. They have two different tripping mechanisms, the delayed thermal tripping mechanism for overload protection and the electromechanic tripping mechanism for short circuit protection. They are available in different characteristics (B,C,D,K,Z), configurations (1P,1P+N,2P,3P,3P+N,4P), breaking capacities (up to 6 kA at 230/400 V AC) and rated currents (up to 63A). All MCBs of the product range S200 comply with IEC/EN 60898-1, IEC/EN 60947-2, UL1077 allowing the use for residential, commercial and industrial applications. Bottom-fitting auxiliary contact can be mounted on S200 to save 50% space. |

#### Technical

|                                    |  |
|------------------------------------|--|
| Standards                          | IEC/EN 60898-1<br>IEC/EN 60947-2<br>UL 1077                  |
| Tripping Characteristic            | K  |
| Rated Voltage ( $U_r$ )            | 400 V AC   |
| Rated Operational Voltage          | acc. to IEC 60898-1 400 V AC<br>acc. to IEC 60947-2 440 V AC |
| Operational Voltage                | Maximum (Incl. Tolerance) 440 V AC                           |
| Rated Insulation Voltage ( $U_i$ ) | acc. to IEC/EN 60664-1 440 V                                 |
| Rated Impulse                      | 4 kV   |

|   |  |
|---|--|
| Withstand Voltage ( $U_{imp}$ )                             | at 2000 m 5 kV<br>at Sea Level 6.2 kV  |
| Dielectric Test Voltage                                     | 50/60 Hz, 1 min: 2 kV  |
| Input Voltage Type  | AC/DC  |
| Rated Current ( $I_n$ )                                     | 25 A   |
| Rated Short-Circuit Capacity ( $I_{cn}$ )                   | (AC) 6 kA<br>(DC) 6 kA<br>(400 V AC) 6 kA  |
| Rated Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ ) | (230 V AC) 20 kA<br>(400 V AC) 10 kA<br>(440 V AC) 10 kA   |
| Rated Conditional Short-Circuit Current ( $I_{nc}$ )        | (230 V) 20 kA<br>(400 V) 20 kA   |
| Rated Service Short-Circuit Breaking Capacity ( $I_{cs}$ )  | (230 V AC) 15 kA<br>(400 V AC) 7.5 kA<br>(440 V AC) 7.5 kA   |
| Frequency (f)   | 50 Hz  |
| Rated Frequency (f)   | 50 / 60 Hz   |
| Power Loss  | 8.7 W<br>at Rated Operating Conditions per Pole 2.9 W  |
| Power Supply Connection                                     | Arbitrary  |
| Contact Position Indication                                 | Red ON / Green OFF   |
| Electrical Endurance  | 20000 AC cycle<br>20000 cycle  |
| Number of Poles   | 3  |
| Number of Protected Poles                                   | 3  |
| Overtoltage Category  | III  |
| Product Range   | S200   |
| Tightening Torque   | 2.8 N·m  |
| Mounting Type   | DIN-Rail   |
| Screw Terminal Type   | Failsafe Bi-directional Cylinder-lift Terminal   |
| Actuator Marking  | I / O  |
| Actuator Material   | Insulation Group II, Black, Sealable   |
| Housing Material  | Insulation Group II, RAL 7035  |
| Mounting on DIN Rail  | TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715<br>TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715   |
| Mounting Position   | Any  |
| Recommended Screw Driver                                    | Pozidriv 2   |
| Accessories Available                                       | Yes  |
| Connecting Capacity   | Busbar 10 / 10 mm <sup>2</sup><br>Flexible with Ferrule 0.75 ... 25 mm <sup>2</sup><br>Flexible 0.75 ... 25 mm <sup>2</sup><br>Rigid 0.75 ... 35 mm <sup>2</sup><br>Stranded 0.75 ... 35 mm <sup>2</sup> |
| Installation Size   | acc. to DIN 43880 1  |
| Wire Stripping Length                                       | 12.5 mm  |
| Terminal Type   | Screw Terminals  |

## Ambiente

|                          |  |
|--------------------------|--|
| Temperatura ambiente     | Funcionamiento -25 ... +55 °C<br>Almacenamiento -40 ... +70 °C |
| Grado de protección      | IP20<br>Enclosure with Cover IP40                              |
| Pollution Degree         | 3  |
| 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 | 5g, 20 cycles at 5 ... 150 ... 5 Hz with load 0.8 In |
| Resistance to Shock acc.<br>to IEC 60068-2-27     | 25g / 2 shocks / 13 ms                               |
| RoHS Status                                       | Following EU Directive 2011/65/EU                    |
| Environmental<br>Information                      | 2CDK400030D0201                                      |

## Technical UL/CSA

|                                       |  |
|---------------------------------------|--|
| Maximum Operating<br>Voltage UL/CSA   | 110 V DC<br>480Y / 277 V AC                                |
| Interrupting Rating acc.<br>to UL1077 | (277 V AC) 6 kA<br>(480Y / 277 V AC) 6 kA<br>(240 V) 10 kA |
| Connecting Capacity<br>UL/CSA         | Busbar 18-8 AWG<br>Conductor 18-4 AWG                      |
| Tightening Torque<br>UL/CSA           | 18 in-lb   |

## Dimensiones

|  |          |
|--|----------|
| Width in Number of<br>Modular Spacings | 3        |
| Ancho del product                      | 52.5 mm  |
| Alto del producto                      | 88 mm    |
| Largo del product                      | 69 mm    |
| Peso del product                       | 0.375 kg |
| Pole Net Weight                        | 0.115 kg |
| Built-In Depth (t <sub>2</sub> )       | 69 mm    |

## Información de Embalaje

|                                   |                 |
|-----------------------------------|-----------------|
| Embalaje Nivel 1<br>Unidades      | carton 1 piece  |
| Embalaje Nivel 1 Ancho            | 92 mm           |
| Embalaje Nivel 1 Alto             | 80 mm           |
| Embalaje Nivel 1 Largo            | 58 mm           |
| Embalaje Nivel 1 Peso             | 0.4 kg          |
| Embalaje Nivel 1 EAN              | 4016779609579   |
| Package Level 2 Units             | carton 36 piece |
| Package Level 2 Width             | 275 mm          |
| Package Level 2 Height            | 210 mm          |
| Package Level 2 Depth /<br>Length | 395 mm          |
| Package Level 2 Gross<br>Weight   | 13.36 kg        |
| Package Level 2 EAN               | 4016779973588   |

## Clasificación

|                              |              |
|------------------------------|--------------|
| Cantidad mínima de<br>pedido | 1 piece      |
| Código arancelario           | 85362010     |
| E-Number (Finland)           | 3210919      |
| E-Number (Sweden)            | 2100734      |
| Country of Origin            | Germany (DE) |

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## Certificados y Declaraciones (Número de Documento)

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|                                 |                 |
|---------------------------------|-----------------|
| Certification Agency            | EN<br>IEC<br>UL |
| Declaración de conformidad - CE | 2CDK403001D0607 |
| Environmental Information       | 2CDK400030D0201 |
| I <sup>2</sup> t Characteristic | 9AKK107992A5103 |
| Instrucciones y manuales        | 2CDS207104P0001 |
| RoHS Information                | 2CDK403001D0607 |

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## Descargas Populares

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|                                    |                 |
|------------------------------------|-----------------|
| Ficha técnica, información técnica | 9AKK107991A8329 |
| Instrucciones y manuales           | 2CDS207104P0001 |
| Dimension Diagram                  | 2CDC022007F0010 |
| I <sup>2</sup> t Characteristic    | 9AKK107992A5103 |
| EPLAN Graphical Macro              | 9AKK106713A8196 |
| EPLAN Macro                        | 9AKK106713A8194 |

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## Clasificaciones

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|----------------------------|---|
| ETIM 7                     | EC000042 - Miniature circuit breaker (MCB)                                    |
| ETIM 8                     | EC000042 - Miniature circuit breaker (MCB)                                    |
| EPLAN Catalog Tree         | Electrical engineering / Protection devices / General                         |
| EPLAN Function Definition  | Circuit breaker / Triple circuit breaker / Triple circuit breaker 1_2_3_4_5_6 |
| Categoría RAEE             | 5. Small Equipment (No External Dimension More Than 50 cm)                    |
| WEEE B2C / B2B             | Business To Consumer  |
| CN8                        | 8536 20 10  |
| UNSPSC                     | 39121614  |
| eClass                     | V11.0 : 27141901  |
| Object Classification Code | F   |

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## Accessories

| Identifier      | Description                                | Type          | Quantity | Unit Of Measure |
|-----------------|--|---------------|----------|-----------------|
| 2CDS200922R0001 | S2C-S/H6R Contacto auxiliar y señalización | S2C-S/H6R     | 1        | piece           |
| 2CDS200912R0001 | S2C-H6R Contacto Auxiliar                  | S2C-H6R       | 1        | piece           |
| 2CDS200936R0001 | S2C-H11L Auxiliary Contact                 | S2C-H11L      | 1        | piece           |
| 2CDS200936R0002 | S2C-H20L Auxiliary Contact                 | S2C-H20L      | 1        | piece           |
| 2CDS200936R0003 | S2C-H02L Auxiliary Contact                 | S2C-H02L      | 1        | piece           |
| 2CDS200946R0001 | S2C-H6-11R Contacto Auxiliar               | S2C-H6-11R    | 1        | piece           |
| 2CDS200946R0002 | S2C-H6-20R Contacto Auxiliar               | S2C-H6-20R    | 1        | piece           |
| 2CDS200946R0003 | S2C-H6-02R Contacto Auxiliar               | S2C-H6-02R    | 1        | piece           |
| 2CDS200909R0001 | S2C-A1 Bobina emisión                      | S2C-A1        | 1        | piece           |
| 2CDS200909R0002 | S2C-A2 Bobina emisión                      | S2C-A2        | 1        | piece           |
| 2CSS200911R0001 | S2C-UA 12 DC Bobina mínima tensión         | S2C-UA 12 DC  | 1        | piece           |
| 2CSS200911R0002 | S2C-UA 24 AC Bobina mínima tensión         | S2C-UA 24 AC  | 1        | piece           |
| 2CSS200911R0003 | S2C-UA 48 AC Bobina mínima tensión         | S2C-UA 48 AC  | 1        | piece           |
| 2CSS200911R0004 | S2C-UA 110 AC Bobina mínima tensión        | S2C-UA 110 AC | 1        | piece           |
| 2CSS200911R0005 | S2C-UA 230 AC Bobina mínima tensión        | S2C-UA 230 AC | 1        | piece           |
| 2CSS200911R0006 | S2C-UA 400 AC Bobina mínima tensión        | S2C-UA 400 AC | 1        | piece           |
| 2CSS200911R0007 | S2C-UA 24 DC Bobina mínima tensión         | S2C-UA 24 DC  | 1        | piece           |
| 2CSS200911R0008 | S2C-UA 48 DC Bobina mínima tensión         | S2C-UA 48 DC  | 1        | piece           |
| 2CSS200911R0009 | S2C-UA 110 DC Bobina mínima tensión        | S2C-UA 110 DC | 1        | piece           |
| 2CSS200911R0010 | S2C-UA 230 DC Bobina mínima tensión        | S2C-UA 230 DC | 1        | piece           |
| 2CSS201997R0013 | S2C-CM1 Mando motor                        | S2C-CM1       | 1        | piece           |
| 2CSS203997R0013 | S2C-CM2/3 Mando motor                      | S2C-CM2/3     | 1        | piece           |
| 2CSS204997R0013 | S2C-CM4 Mando motor                        | S2C-CM4       | 1        | piece           |
| GHS2001901R0003 | S2C-DH Accesorio mecánico                  | S2C-DH        | 1        | piece           |
| 2CSS200998R0001 | S2C-BP Mechanical tripping device          | S2C-BP        | 1        | piece           |
| 2CSS200999R0001 | S2C-EST Base enchufable                    | S2C-EST       | 1        | piece           |
| 2CDS200918R0001 | S2C-NT Hand Operated Neutral               | S2C-NT        | 1        | piece           |
| 2CCA880100R0001 | Sensor 80A CMS-100PS                       | CMS-100PS     | 1        | piece           |
| 2CCA880101R0001 | Sensor 40A CMS-101PS                       | CMS-101PS     | 1        | piece           |
| 2CCA880102R0001 | Sensor 20A CMS-102PS                       | CMS-102PS     | 1        | piece           |

## Categorías

Productos y sistemas de baja tensión → Aparatos modulares de instalación → Interruptores automáticos modulares

