PRODUCT-DETAILS

# SH202-C20

## Miniature Circuit Breaker - SH200 - 2P - C - 20 ampere



### Información General

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|---|---|
| Extended Product Type | SH202-C20 |
| Product ID | 2CDS212001R0204 |
| EAN | 4016779631129 |
| Catalog Description | Miniature Circuit Breaker - SH200 - 2P - C - 20 ampere |
| Long Description | Compact Home SH200 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), 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 40 A). All MCBs of the product range SH200 comply with IEC/EN 60898-1, allowing the use for residential applications. |

### Technical

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|---|---|
| Standards | IEC/EN 60898-1 |
| Number of Poles | 2 |
| Number of Protected Poles | 2 |
| Tripping Characteristic | C |
| Rated Current ($I_n$) | 20 A |
| Rated Operational Voltage | acc. to IEC 60898-1 400 V AC |
| Power Loss | 5 W<br>at Rated Operating Conditions per Pole 2.5 W |
| Rated Insulation Voltage ($U_i$) | acc. to IEC/EN 60664-1 440 V |

| | |
|---|---|
| Operational Voltage | Maximum (Incl. Tolerance) 440 V AC<br>Maximum 440 V AC<br>Minimum 12 V AC |
| Rated Frequency (f) | 50 Hz<br>60 Hz |
| Rated Short-Circuit Capacity ($I_{cn}$) | (400 V AC) 6 kA |
| Energy Limiting Class | 3 |
| Overvoltage Category | III |
| Pollution Degree | 2 |
| Rated Impulse Withstand Voltage ($U_{imp}$) | 4 kV<br>(6.2 kV @ sea level)<br>(5.0 kV @ 2000 m) |
| Dielectric Test Voltage | 50/60 Hz, 1 min: 2 kV |
| Housing Material | Insulation Group II, RAL 7035 |
| Actuator Type | Toggle |
| Actuator Material | Insulation Group II, Black, Sealable |
| Actuator Marking | I / O |
| Contact Position Indication | ON / OFF |
| Degree of Protection | IP20 |
| Remarks | IP40 in enclosure with cover |
| Electrical Endurance | 20000 AC cycle |
| | 20000 cycle |
| Terminal Type | Screw Terminals |
| Screw Terminal Type | Cage Terminal |
| Connecting Capacity | Conductor 25 / 25 mm²<br>Flexible with Ferrule 0.75 ... 16 mm²<br>Flexible 0.75 ... 16 mm²<br>Rigid 0.75 ... 25 mm²<br>Stranded 0.75 ... 25 mm² |
| Tightening Torque | 2 N·m |
| Recommended Screw Driver | Pozidriv 2 |
| Mounting on DIN Rail | TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715<br>TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715 |
| Mounting Position | Any |
| Built-In Depth ($t_2$) | 69 mm |
| Installation Size | acc. to DIN 43880 1 |
| Power Supply Connection | Arbitrary |

## Ambiente

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|---|---|
| Ambient Air Temperature | Funcionamiento -25 ... +55 °C<br>Almacenamiento -40 ... +70 °C |
| Reference Ambient Air Temperature | 30 °C |
| Resistance to Shock acc. to IEC 60068-2-27 | 25g / 2 shocks / 13 ms |
| Resistance to Vibrations acc. to IEC 60068-2-6 | 5g, 20 cycles at 5 ... 150 ... 5 Hz with load 0.8 In |
| Environmental Conditions | 28 cycles<br>with 55 °C / 90-96 %<br>and 25 °C / 95-100 % |
| RoHS Status | Following EU Directive 2011/65/EU |

## Dimensiones

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|---|---|
| Product Net Width | 35 mm |
| Product Net Depth / | 69 mm |

| | |
|---|---|
| Length | |
| Product Net Height | 85 mm |
| Product Net Weight | 0.25 kg |

## Información de Embalaje

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|---|---|
| Package Level 1 Units | carton 5 piece |
| Package Level 1 Width | 92 mm |
| Package Level 1 Depth / Length | 183 mm |
| Package Level 1 Height | 80 mm |
| Package Level 1 Gross Weight | 1.3 kg |
| Package Level 2 Units | 60 piece |
| Package Level 2 EAN | 4016779991100 |

## Clasificación

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|---|---|
| Minimum Order Quantity | 1 piece |
| Customs Tariff Number | 85362010 |

## Certificados y Declaraciones (Número de Documento)

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|---|---|
| Declaration of Conformity - CE | 9AKK107046A5460 |
| Environmental Information | 2CDK400030D0201 |
| Instructions and Manuals | Printed on packaging |
| RoHS Information | 2CDK400030D0201 |

## Descargas Populares

| | |
|---|---|
| Data Sheet, Technical Information | 2CSC400030D0202 |
| Instructions and Manuals | Printed on packaging |

## Clasificaciones

| | |
|---|---|
| Object Classification Code | F |
| ETIM 6 | EC000042 - Miniature circuit breaker (MCB) |
| ETIM 7 | EC000042 - Miniature circuit breaker (MCB) |
| eClass | 7.0 27141901 |
| UNSPSC | 39121614 |

## Categorias

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





