# **Miniature Circuit Breakers**

## SH203L-C32

**General Information** 

### **ABB** contact for Malaysia

Low Voltage

| Extended Product Type:  | SH203L-C32  |
|---|---|
| Product ID:   | 2CDS243001R0324   |
| EAN:  | 4016779633574   |
| Catalog Description:  |   |
| Miniature Circuit Breakers MCBs - SH2   | 200L - Number of Poles 3 - Tripping characteristic C - Rated Current 32.00 A  |
| Long Description:   |   |
| thermal tripping mechanism for overloa available in different characteristics (B, | uit breakers are current limiting. They have two different tripping mechanisms, the delayed<br>id protection and the electromechanic tripping mechanism for short circuit protection. They are<br>C), configurations (1P,1P+N,2P,3P,3P+N,4P), breaking capacities (up to 4,5 kA at 230/400 V<br>I MCBs of the product range SH200L comply with IEC/EN 60898-1, allowing the use for |
| Categories  |   |
| Products » Low Voltage Products and S   | Systems » Modular DIN Rail Products » Miniature Circuit Breakers MCBs   |
| Ordering  |   |
| Extended Product Type:  | SH203L-C32  |
| Product ID:   | 2CDS243001R0324   |
| EAN:  | 4016779633574   |
| Minimum Order Quantity:   | 1 piece   |
| Country of Origin:  | Germany (DE)  |
| Container Information   |   |
| Package Level 1 Units:  | 1 piece   |
| Package Level 1 Width:  | 92.0 mm   |
| Package Level 1 Length:   | 58.0 mm   |
| Package Level 1 Height:   | 80.0 mm   |
| Package Level 1 Gross Weight:   | 0.400 kg  |
|   |   |
| Dimensions  |   |
| Product Net Width:  | 52.5 mm   |
| Product Net Depth:  | 69.0 mm   |
| Product Net Height:   | 85.0 mm   |
| Product Net Weight:   | 0.375 kg  |
| Fechnical   |   |
| Standards:  | IEC/EN 60898-1  |
| Number of Poles:  | 3   |
| Tripping Characteristic:  | C   |
| Rated Current(<br>I <sub>n</sub>  | 32.00 A   |
| ):  |   |
| ,.<br>Rated Operational Voltage (U <sub>e</sub> ):                                | 400 V AC  |
| Rated Insulation Voltage (U <sub>i</sub> ):                                       | Phase to Ground 250 V AC<br>Phase to Phase 500 V AC   |
| Operational Voltage:  | Maximum 440 V AC<br>Minimum 12 V AC   |
| Rated Frequency (f <sub>r</sub> ):  | 50 / 60 Hz  |
| Rated Short-Circuit Capacity(<br>I <sub>cn</sub>                                  | 4.5 kA  |
| ):  |   |
| P.<br>Energy Limiting Class:  | 3   |
| Overvoltage Category:   | а<br>Ш  |
| Pollution Degree:   | 2   |
| Rated Impulse Withstand Voltage (Ui   |   |
|   | (6.2 kV @ sea level)  |

|  | (5.0 kV @ 2000 m)   |
|--|---|
| Dielectric Test Voltage:                   | 50/60 Hz, 1 min.: 2 kV  |
| Housing Material:                          | Insulation group II, RAL 7035   |
| Actuator Type:                             | Insulation group II, black, sealable  |
| Actuator Marking:                          | 1/0   |
| Contact Position Indication:               | ON / OFF  |
| Degree of Protection:                      | IP20  |
| Remarks:                                   | IP40 in enclosure with cover  |
| Electrical Endurance (Nelec):              | 10000 ops. cycle  |
| Mechanical Endurance (N <sub>endu</sub> ): | 20,000 cycle  |
| Terminal Type:                             | Screw Terminals   |
| Screw Terminal Type:                       | Cable Clamp   |
| Connecting Capacity:                       | Conductors: 25 / 25 mm <sup>2</sup><br>Rigid 0.7525 mm <sup>2</sup><br>Stranded 0.7525 mm <sup>2</sup><br>Flexible 0.7516 mm <sup>2</sup><br>Flexible with Ferrule 0.7516 mm <sup>2</sup> |
| Tightening Torques:                        | 2 N·m   |
| Recommended Screw Driver:                  | Pozidrive 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   |

#### Environmental

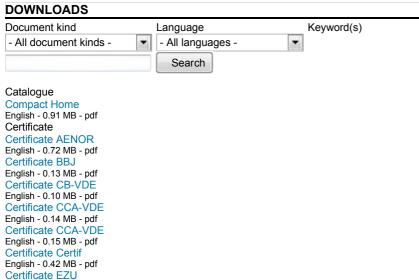
| Ambient Air Temperature:                               | Operation -25 +55 °C<br>Storage -40 +70 °C                      |
|--|---|
| Reference Temperature for Tripping<br>Characteristics: | 30 °C   |
| Resistance to Shock acc. to IEC 60068-<br>-27:         | <b>2</b> 25g, 3 shocks, 11 ms                                   |
| Resistance to Vibrations acc. to IEC 60068-2-6:        | 5g, 20 cycles at 51505 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 2002/95/EC August 18, 2005 and amendment |

### **Certificates and Declarations (Document Number)**

English - 0.06 MB - pdf Certificate GOST SH200-NMCB/SH200L-NMCB/SH200T-NMCB Russian - 0.92 MB - pdf

Certificate IMQ English - 1.16 MB - pdf Certificate IMQ

| Declaration of Conformity - CE: | 2CDK403003D0401 |
|---------------------------------|-----------------|
| Environmental Information:      | 2CDK400030D0201 |
| RoHS Information:               | 2CDK400003K0201 |
|                                 |                 |



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