

## PRODUCT-DETAILS

# E 91/20

## E 91/20 Fuse switch disconnecter



### General Information

|                       |                                                                                                |
|-----------------------|------------------------------------------------------------------------------------------------|
| Extended Product Type | E 91/20                                                                                        |
| Product ID            | 2CSM200983R1801                                                                                |
| EAN                   | 8012542009832                                                                                  |
| Catalog Description   | E 91/20 Fuse switch disconnecter                                                               |
| Long Description      | E 91/20 is a fuseholder for overcurrent and short circuit protection. No blown fuse indicator. |

### Technical

|                                    |                                                                                                                                                                                                         |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standards                          | IEC 60947-3                                                                                                                                                                                             |
| Rated Voltage ( $U_r$ )            | acc. To IEC 400 V                                                                                                                                                                                       |
| Rated Operational Voltage          | AC-20B 690 V<br> AC-22B 400 V                                                                                                                                                                           |
| Rated Insulation Voltage ( $U_i$ ) | 1 kV                                                                                                                                                                                                    |
| Rated Frequency (f)                | 50/60 Hz                                                                                                                                                                                                |
| Power Loss                         | at Rated Operating Conditions per Pole 2.5 W                                                                                                                                                            |
| Number of Poles                    | 1                                                                                                                                                                                                       |
| Number of Protected Poles          | 1                                                                                                                                                                                                       |
| Tightening Torque                  | 2...2.5 N·m                                                                                                                                                                                             |
| Utilization Category               | Connecting and disconnecting under no-load conditions - occasional actuation (AC-20B)<br>Switching of mixed resistive and inductive loads, including moderate overloads - occasional actuation (AC-22B) |

|                                                 |                                                                 |
|-------------------------------------------------|-----------------------------------------------------------------|
| Lock Type                                       | Padlockable when open                                           |
| Mounting Type                                   | DIN rail                                                        |
| Sealing Type                                    | Sealing Wire                                                    |
| Material of Conductor                           | Copper                                                          |
| Options Provided                                | No                                                              |
| Recommended Screw Driver                        | Pozidriv 2                                                      |
| Shock and Vibration Withstand acc. to IEC 61373 | Category 1, Class B                                             |
| Connecting Capacity                             | Rigid 1.5-25 mm <sup>2</sup><br>Stranded 1.5-16 mm <sup>2</sup> |
| Fuse Size                                       | 8.5x31.5 mm                                                     |
|                                                 | max. 90% with temp. +20 °C<br>50% with max. temp. +40 °C        |
| Rated Operational Current AC (I <sub>e</sub> )  | 20 A                                                            |

## Environmental

|                                                |                                                       |
|------------------------------------------------|-------------------------------------------------------|
| Ambient Air Temperature                        | Operation -5...+40 °C<br>Storage -25...+70 °C         |
| Degree of Protection                           | IP20                                                  |
| Maximum Operating Altitude Permissible         | 2000 m                                                |
| Resistance to Vibrations acc. to IEC 60068-2-6 | 2 to 13 Hz x= 1 mm peak<br>13 to 100 Hz y= 0.7 g peak |
| Resistance to Shock acc. to IEC 60068-2-27     | 15g / 18 shocks / 13 ms                               |
| RoHS Status                                    | Following EU Directive 2011/65/EU                     |
| Environmental Information                      | See RoHS Information                                  |

## Technical UL/CSA

|                            |                                      |
|----------------------------|--------------------------------------|
| Connecting Capacity UL/CSA | Rigid 16-10 AWG<br>Stranded 16-3 AWG |
|----------------------------|--------------------------------------|

## Dimensions

|                                     |          |
|-------------------------------------|----------|
| Width in Number of Modular Spacings | 1        |
| Product Net Width                   | 0.018 m  |
| Product Net Height                  | 0.085 m  |
| Product Net Depth / Length          | 0.064 m  |
| Product Net Weight                  | 0.061 kg |
| Dimensions                          | 1 module |
| Built-In Depth (t <sub>2</sub> )    | 64 mm    |

## Container Information

|                                |             |
|--------------------------------|-------------|
| Package Level 1 Units          | box 6 piece |
| Package Level 1 Width          | 0.105 m     |
| Package Level 1 Height         | 0.085 m     |
| Package Level 1 Depth / Length | 0.064 m     |
| Package Level 1 Gross Weight   | 0.369 kg    |

|                                |               |
|--------------------------------|---------------|
| Package Level 1 EAN            | 8012542009849 |
| Package Level 2 Units          | box 6 piece   |
| Package Level 2 Width          | 105 mm        |
| Package Level 2 Height         | 85 mm         |
| Package Level 2 Depth / Length | 64 mm         |
| Package Level 2 Gross Weight   | 369 g         |
| Package Level 2 EAN            | 8012542009849 |

## Ordering

|                        |              |
|------------------------|--------------|
| Minimum Order Quantity | 1 piece      |
| Customs Tariff Number  | 85361010     |
| Country of Origin      | Romania (RO) |

## Certificates and Declarations (Document Number)

|                                |                                    |
|--------------------------------|------------------------------------|
| BV Certificate                 | 9AKK108467A0330                    |
| CCC Certificate                | 9AKK108467A0340                    |
| Certification Agency           | IMQ, BV, Korean register, CCC, EAC |
| Declaration of Conformity - CE | 9AKK106713A5623                    |
| EAC Certificate                | 9AKK107992A1034                    |
| Environmental Information      | See RoHS Information               |
| IMQ Certificate                | 9AKK108467A0323                    |
| Instructions and Manuals       | No document needed                 |
| KRS Certificate                | 9AKK108467A0337                    |
| LR Certificate                 | 9AKK107991A7313                    |
| RoHS Information               | 2CSC444011K2701                    |

## Popular Downloads

|                                   |                    |
|-----------------------------------|--------------------|
| Data Sheet, Technical Information | 2CSC444002B0204    |
| Instructions and Manuals          | No document needed |

## Classifications

|                            |                                                            |
|----------------------------|------------------------------------------------------------|
| ETIM 7                     | EC002705 - Holder for cylindrical fuse                     |
| ETIM 8                     | EC002705 - Holder for cylindrical fuse                     |
| WEEE Category              | 5. Small Equipment (No External Dimension More Than 50 cm) |
| WEEE B2C / B2B             | Business To Consumer                                       |
| CN8                        | 85361010                                                   |
| eClass                     | V11.0 : 27142121                                           |
| Object Classification Code | F                                                          |

## Accessories

| Identifier      | Description          | Type       | Quantity | Unit Of Measure |
|-----------------|----------------------|------------|----------|-----------------|
| 2CSM257573R1801 | E 9F8 GG1 Fuse link  | E 9F8 GG1  | 1        | piece           |
| 2CSM256393R1801 | E 9F8 GG2 Fuse link  | E 9F8 GG2  | 1        | piece           |
| 2CSM258663R1801 | E 9F8 GG4 Fuse link  | E 9F8 GG4  | 1        | piece           |
| 2CSM257483R1801 | E 9F8 GG6 Fuse link  | E 9F8 GG6  | 1        | piece           |
| 2CSM256303R1801 | E 9F8 GG8 Fuse link  | E 9F8 GG8  | 1        | piece           |
| 2CSM277573R1801 | E 9F8 GG10 Fuse link | E 9F8 GG10 | 1        | piece           |
| 2CSM277353R1801 | E 9F8 GG12 Fuse link | E 9F8 GG12 | 1        | piece           |
| 2CSM277133R1801 | E 9F8 GG16 Fuse link | E 9F8 GG16 | 1        | piece           |
| 2CSM277503R1801 | E 9F8 GG20 Fuse link | E 9F8 GG20 | 1        | piece           |
| 2CSM277283R1801 | E 9F8 AM1 Fuse link  | E 9F8 AM1  | 1        | piece           |
| 2CSM277063R1801 | E 9F8 AM2 Fuse link  | E 9F8 AM2  | 1        | piece           |
| 2CSM258743R1801 | E 9F8 AM4 Fuse link  | E 9F8 AM4  | 1        | piece           |
| 2CSM257563R1801 | E 9F8 AM6 Fuse link  | E 9F8 AM6  | 1        | piece           |
| 2CSM256383R1801 | E 9F8 AM8 Fuse link  | E 9F8 AM8  | 1        | piece           |
| 2CSM258653R1801 | E 9F8 AM10 Fuse link | E 9F8 AM10 | 1        | piece           |

Categories

Low Voltage Products and Systems → Modular DIN Rail Products → Protection and Safety Devices → Cylindrical Fuse Holders and Fuse Switch Disconnectors

