



PRODUCT-DETAILS

# E 91/20S

## E 91/20S Fuse switch disconnecter



| General Information   |                                                                                                  |
|-----------------------|--------------------------------------------------------------------------------------------------|
| Extended Product Type | E 91/20S                                                                                         |
| Product ID            | 2CSM202423R1801                                                                                  |
| EAN                   | 8012542024231                                                                                    |
| Catalog Description   | E 91/20S Fuse switch disconnecter                                                                |
| Long Description      | E 91/20S is a fuseholder for overcurrent and short circuit protection with blown fuse indicator. |

| Technical                                  |                                              |
|--------------------------------------------|----------------------------------------------|
| Standards                                  | IEC 60947-3                                  |
| Rated Voltage (U <sub>r</sub> )            | acc. To IEC 400 V                            |
| Rated Operational Voltage                  | AC-20B 690 V<br> AC-22B 400 V                |
| Rated Insulation Voltage (U <sub>i</sub> ) | 1 kV                                         |
| Auxiliary Voltage AC/DC                    | LED Indicator 24-1000 V                      |
| Rated Frequency (f)                        | 50/60 Hz                                     |
| Power Loss                                 | at Rated Operating Conditions per Pole 2.5 W |

|                                                 |                                                                                                                                                                                                         |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Number of Protected Poles                       | 1                                                                                                                                                                                                       |
| Number of 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                                | With LED                                                                                                                                                                                                |
| 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<br>max. 90% with temp. +20 °C<br>50% with max. temp. +40 °C                                                                                                                                 |
| Rated Operational Current AC (I <sub>e</sub> )  | 20 A                                                                                                                                                                                                    |

Material Compliance

|                                             |                                                                        |
|---------------------------------------------|------------------------------------------------------------------------|
| RoHS Information                            | 9AKK106713A5623                                                        |
| RoHS Status                                 | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| RoHS Date                                   | 1/1/2014                                                               |
| REACH Declaration                           | 9AKK108467A9482                                                        |
| Conflict Minerals Reporting Template (CMRT) | 9AKK108468A3363                                                        |

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                   | 1 mm 2 ... 13 Hz                              |
| Resistance to Shock acc. to IEC 60068-2-27 | 15g 18 shocks 13 ms                           |
| 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                  | 0.062 kg |
| Built-In Depth (t <sub>2</sub> )    | 64 mm    |

### Ordering

|                              |             |
|------------------------------|-------------|
| Package Level 1 Units        | box 6 piece |
| Package Level 1 Gross Weight | 0.375 kg    |

### Certificates and Declarations

|                                |                                    |
|--------------------------------|------------------------------------|
| BV Certificate                 | 9AKK108467A0330                    |
| CCC Certificate                | 9AKK108467A0340                    |
| Certification Agency           | IMQ, BV, Korean register, CCC, EAC |
| Declaration of Conformity - CE | 9AKK106713A5623                    |
| IMQ Certificate                | 9AKK108467A0323                    |
| KRS Certificate                | 9AKK108467A0337                    |
| LR Certificate                 | 9AKK107991A7313                    |

### Installation

|                          |                    |
|--------------------------|--------------------|
| Instructions and Manuals | No document needed |
|--------------------------|--------------------|

### Popular Downloads

|                                   |                 |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 2CSC444002B0204 |
|-----------------------------------|-----------------|

### Classifications

|                            |                                                            |
|----------------------------|------------------------------------------------------------|
| ETIM 8                     | EC002705 - Holder for cylindrical fuse                     |
| ETIM 9                     | EC002705 - Holder for cylindrical fuse                     |
| WEEE Category              | 5. Small Equipment (No External Dimension More Than 50 cm) |
| WEEE B2C / B2B             | Business To Consumer                                       |
| CN8                        | 85361050                                                   |
| 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

