



PRODUCT-DETAILS

# C3SS1-30R-20

## C3SS1-30R-20 Selector Switch



| General Information   |                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | C3SS1-30R-20                                                                                                                                                                                                                                                                                                                                                                                                 |
| Product ID            | 1SFA619210R3021                                                                                                                                                                                                                                                                                                                                                                                              |
| EAN                   | 7320500555385                                                                                                                                                                                                                                                                                                                                                                                                |
| Catalog Description   | C3SS1-30R-20 Selector Switch                                                                                                                                                                                                                                                                                                                                                                                 |
| Long Description      | <p>The C3SS1-30R-20 Selector Switch is: Compact - Selector Switch - 3-position - Maintained - Short handle - Red - Non-illuminated - Chrome Metal - 2NO - 2 NO - 0 NC - 300 V</p> <p>This Selector Switch is part of ABB's compact range, the most efficient all-in-one solution available, reducing installation time and cost.</p> <p>The compact range has a high level of dust and water resistance.</p> |

| Ordering               |            |
|------------------------|------------|
| Minimum Order Quantity | 10 piece   |
| Customs Tariff Number  | 8536501999 |

### Popular Downloads

|                                   |                 |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 1SFC151007C02__ |
| Instructions and Manuals          | 1SFC151011M0201 |

## Dimensions

|                            |          |
|----------------------------|----------|
| Product Net Width          | 0.03 m   |
| Product Net Height         | 0.03 m   |
| Product Net Depth / Length | 0.072 m  |
| Product Net Weight         | 0.032 kg |

## Technical

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ambient Air Temperature                             | Operation -25 ... +70 °C<br>Storage -40 ... +85 °C                                                                                                                                                                                                                                                                                                                                                               |
| Color                                               | Red                                                                                                                                                                                                                                                                                                                                                                                                              |
| Actuator Type                                       | Short handle                                                                                                                                                                                                                                                                                                                                                                                                     |
| Bezel Material                                      | Chrome Metal                                                                                                                                                                                                                                                                                                                                                                                                     |
| Illumination                                        | Non-illuminated                                                                                                                                                                                                                                                                                                                                                                                                  |
| Function                                            | Maintained                                                                                                                                                                                                                                                                                                                                                                                                       |
| Sub-Function                                        | 3-position                                                                                                                                                                                                                                                                                                                                                                                                       |
| Maintained Positions                                | A, B, C                                                                                                                                                                                                                                                                                                                                                                                                          |
| Number of Auxiliary Contacts NC                     | 0                                                                                                                                                                                                                                                                                                                                                                                                                |
| Number of Auxiliary Contacts NO                     | 2                                                                                                                                                                                                                                                                                                                                                                                                                |
| Enclosure Type NEMA                                 | Type1<br>Type12<br>Type13<br>Type3R<br>Type4<br>Type4X                                                                                                                                                                                                                                                                                                                                                           |
| Rated Insulation Voltage (U <sub>i</sub> )          | 300 V                                                                                                                                                                                                                                                                                                                                                                                                            |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ) | 6 kV                                                                                                                                                                                                                                                                                                                                                                                                             |
| Rated Frequency (f)                                 | 50 / 60 Hz                                                                                                                                                                                                                                                                                                                                                                                                       |
| Rated Operational Voltage                           | Maximum 300 V                                                                                                                                                                                                                                                                                                                                                                                                    |
| Rated Operational Current DC-13 (I <sub>e</sub> )   | (24 V) 0.3 A<br>(125 V) 0.2 A                                                                                                                                                                                                                                                                                                                                                                                    |
| Rated Operational Current AC-15 (I <sub>e</sub> )   | (24 / 127 V) 1.5 A<br>(220 / 240 V) 1 A                                                                                                                                                                                                                                                                                                                                                                          |
| Power Loss                                          | Maximum 5 W                                                                                                                                                                                                                                                                                                                                                                                                      |
| Mechanical Durability                               | 0.5 million                                                                                                                                                                                                                                                                                                                                                                                                      |
| Connecting Capacity                                 | Flexible with Ferrule 1 x 0.5...1.5 mm <sup>2</sup><br>Flexible with Ferrule 2 x 0.5...1.5 mm <sup>2</sup><br>Flexible with Insulated Ferrule 1 x 0.5...1.5 mm <sup>2</sup><br>Flexible with Insulated Ferrule 2 x 0.5...1.5 mm <sup>2</sup><br>Flexible 1 x 0.5 ...1.5 mm <sup>2</sup><br>Flexible 2 x 0.5 ...1.5 mm <sup>2</sup><br>Solid 1 x 0.5...1.5 mm <sup>2</sup><br>Solid 2 x 0.5...1.5 mm <sup>2</sup> |
| Terminal Type                                       | Screw Terminals                                                                                                                                                                                                                                                                                                                                                                                                  |
| Tightening Torque                                   | 0.8 N·m                                                                                                                                                                                                                                                                                                                                                                                                          |
| Wire Stripping Length                               | 6 mm                                                                                                                                                                                                                                                                                                                                                                                                             |

Technical UL/CSA

|                     |                |
|---------------------|----------------|
| Connecting Capacity | 1x 22...14 AWG |
| UL/CSA              | 2x 22...14 AWG |

Environmental

|                      |                                                           |
|----------------------|-----------------------------------------------------------|
| Degree of Protection | Front IP66<br>Front IP67<br>Front IP69K<br>Terminals IP20 |
|----------------------|-----------------------------------------------------------|

Material Compliance

|                                             |                                                                        |
|---------------------------------------------|------------------------------------------------------------------------|
| Conflict Minerals Reporting Template (CMRT) | 9AKK108467A5658                                                        |
| REACH Declaration                           | 2CMT2022-006479                                                        |
| RoHS Information                            | 2CMT2022-006498                                                        |
| RoHS Status                                 | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| Toxic Substances Control Act - TSCA         | 2CMT2023-006523                                                        |
| WEEE B2C / B2B                              | Business To Business                                                   |
| WEEE Category                               | 5. Small Equipment (No External Dimension More Than 50 cm)             |

Certificates and Declarations

|                                  |                         |
|----------------------------------|-------------------------|
| CB Certificate                   | CQC_CN_CN50749          |
| CQC Certificate                  | CQC2003010305054693     |
| cURus Certificate                | UL_E496500-20171020     |
| Declaration of Conformity - CCC  | 2020980305001187        |
| Declaration of Conformity - CE   | 2CMT2015-005451         |
| Declaration of Conformity - UKCA | 2CMT2020-006121         |
| DNV GL Certificate               | 9AKK107046A3749         |
| EAC Certificate                  | RU C-CN.ME77.B.00587/20 |

Container Information

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Units          | bag 10 piece  |
| Package Level 1 Width          | 0.235 m       |
| Package Level 1 Depth / Length | 0.125 m       |
| Package Level 1 Height         | 0.035 m       |
| Package Level 1 Gross Weight   | 0.32 kg       |
| Package Level 1 EAN            | 7320500246894 |

Classifications

|                       |   |
|-----------------------|---|
| Object Classification | S |
|-----------------------|---|

|        |                                      |
|--------|--------------------------------------|
| Code   |                                      |
| ETIM 6 | EC001029 - Selector switch, complete |
| ETIM 7 | EC001029 - Selector switch, complete |
| ETIM 8 | EC001029 - Selector switch, complete |
| eClass | V11.0 : 27371243                     |
| UNSPSC | 39121500                             |

Categories

Low Voltage Products and Systems → Control Products → Pilot Devices → Compact Range → CSS Compact Selector Switches

