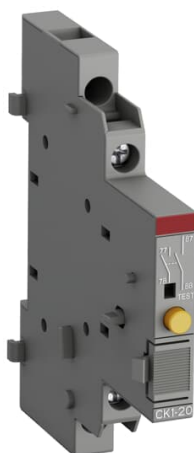


PRODUCT-DETAILS

# CK1-20

## CK1-20 Short Circuit Signaling Contact



### General Information

|                       |                                          |
|-----------------------|------------------------------------------|
| Extended Product Type | CK1-20                                   |
| Product ID            | 1SAM301901R1002                          |
| EAN                   | 4013614403934                            |
| Catalog Description   | CK1-20 Short Circuit Signaling Contact   |
| Long Description      | CK1-20 Short-Circuit Signal Contact 2 NO |

### Ordering

|                        |          |
|------------------------|----------|
| Minimum Order Quantity | 2 piece  |
| Customs Tariff Number  | 85365080 |

### Popular Downloads

|                                   |                                    |
|-----------------------------------|------------------------------------|
| Data Sheet, Technical Information | 1SBC100192C02--                    |
| Instructions and Manuals          | 2CDC131027M6802<br>2CDC131081M6801 |

### Dimensions

|                     |       |
|---------------------|-------|
| Product Net Width   | 9 mm  |
| Product Net Height  | 90 mm |
| Product Net Depth / | 78 mm |

Length

|                    |          |
|--------------------|----------|
| Product Net Weight | 0.035 kg |
|--------------------|----------|

## Technical

|                                               |                                                                                                                                                                                                                    |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Terminal Type                                 | Screw Terminals                                                                                                                                                                                                    |
| Rated Operational Voltage                     | 690 V AC<br>600 V DC<br>Main Circuit 690 V                                                                                                                                                                         |
| Rated Operational Current AC-15 ( $I_e$ )     | (24 V) 6 A<br>(240 V) 4 A<br>(690 V) 1 A<br>(380 / 400 V) 3 A                                                                                                                                                      |
| Rated Operational Current DC-13 ( $I_e$ )     | (24 V) 2 A<br>(125 V) 0.55 A<br>(250 V) 0.27 A<br>(440 V) 0.15 A<br>(600 V) 0.15 A                                                                                                                                 |
| Rated Impulse Withstand Voltage ( $U_{imp}$ ) | Auxiliary Circuit 6 kV                                                                                                                                                                                             |
| Rated Insulation Voltage ( $U_i$ )            | 690 V                                                                                                                                                                                                              |
| Degree of Protection                          | IP20                                                                                                                                                                                                               |
| Electrical Durability                         | 10000 cycle                                                                                                                                                                                                        |
| Mechanical Durability                         | 10000 cycle                                                                                                                                                                                                        |
| Connecting Capacity Auxiliary Circuit         | Flexible with Ferrule 1/2x 0.75 ... 1.5 mm <sup>2</sup><br>Flexible with Insulated Ferrule 1/2x 0.75 ... 1.5 mm <sup>2</sup><br>Flexible 1/2x 0.75 ... 1.5 mm <sup>2</sup><br>Rigid 1/2x 1 ... 1.5 mm <sup>2</sup> |
| Tightening Torque                             | Auxiliary Circuit 0.8 ... 1.2 N·m                                                                                                                                                                                  |
| Wire Stripping Length                         | Auxiliary Circuit 8 mm                                                                                                                                                                                             |
| Recommended Screw Driver                      | M3<br>Pozidriv 2                                                                                                                                                                                                   |
| Number of Auxiliary Contacts NO               | 2                                                                                                                                                                                                                  |
| Number of Auxiliary Contacts NC               | 0                                                                                                                                                                                                                  |
| Standards                                     | CSA 22.2 No. 14<br>IEC/EN 60947-1<br>IEC/EN 60947-5-1<br>UL 508<br>UL 60947-1<br>UL 60947-5-1                                                                                                                      |
| Product Name                                  | Short Circuit Signaling Contact                                                                                                                                                                                    |
| Suitable For                                  | MS132<br>MS165                                                                                                                                                                                                     |
| Suitable for Product Class                    | Manual Motor Starter                                                                                                                                                                                               |
| Accessory Group                               | Electrical                                                                                                                                                                                                         |
| Accessory Type                                | Short Circuit Signaling Contact                                                                                                                                                                                    |

## Technical UL/CSA

|                                              |                                                    |
|----------------------------------------------|----------------------------------------------------|
| Maximum Operating Voltage UL/CSA             | Main Circuit 600 V AC                              |
| Connecting Capacity Auxiliary Circuit UL/CSA | Flexible 1/2x 16-14 AWG<br>Stranded 1/2x 16-14 AWG |
| Tightening Torque UL/CSA                     | Auxiliary Circuit 7 in·lb                          |
| Contact Rating UL/CSA                        | B600<br>Q600                                       |

## Environmental

|                                                |                                                    |
|------------------------------------------------|----------------------------------------------------|
| Ambient Air Temperature                        | Operation -25 ... +60 °C<br>Storage -50 ... +80 °C |
| Resistance to Shock acc. to IEC 60068-2-27     | 11 ms Pulse 25g                                    |
| Resistance to Vibrations acc. to IEC 60068-2-6 | 5g / 3 ... 150 Hz                                  |
| RoHS Status                                    | Following EU Directive 2011/65/EU                  |

## Certificates and Declarations (Document Number)

|                                 |                                                                                                                |
|---------------------------------|----------------------------------------------------------------------------------------------------------------|
| ABS Certificate                 | 1SAA963001-0101                                                                                                |
| BV Certificate                  | 1SAA963002-0201                                                                                                |
| CB Certificate                  | 1SAA963004-2002                                                                                                |
| CQC Certificate                 | CQC2017010304032778                                                                                            |
| cUL Certificate                 | cUL_E137861                                                                                                    |
| Declaration of Conformity - CCC | 2020980304001252                                                                                               |
| Declaration of Conformity - CE  | 1SAD938504-0196<br>1SAD938507-0190<br>1SAD938504-0198<br>1SAD938506-0197<br>1SAD938508-0188<br>1SAD938516-0125 |
| DNV GL Certificate              | 1SAA963001-0304                                                                                                |
| Instructions and Manuals        | 2CDC131027M6802<br>2CDC131081M6801                                                                             |
| LR Certificate                  | 1SAA963001-0502<br>1SAA918001-0501                                                                             |
| RINA Certificate                | 1SAA963002-0802                                                                                                |
| RoHS Information                | 1SAD938516-0125                                                                                                |
| UL Certificate                  | UL_E137861                                                                                                     |

## Container Information

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Width          | 25 mm         |
| Package Level 1 Depth / Length | 80 mm         |
| Package Level 1 Height         | 93 mm         |
| Package Level 1 Gross Weight   | 0.08 kg       |
| Package Level 1 EAN            | 4013614481536 |
| Package Level 1 Units          | 2 piece       |
| Package Level 2 Width          | 280 mm        |
| Package Level 2 Depth / Length | 395 mm        |
| Package Level 2 Height         | 210 mm        |
| Package Level 2 EAN            | 4013614526022 |
| Package Level 2 Units          | 160 piece     |

## Classifications

|                            |                                                          |
|----------------------------|----------------------------------------------------------|
| Object Classification Code | Q                                                        |
| ETIM 4                     | EC002498 - Accessories for low-voltage switch technology |
| ETIM 5                     | EC000041 - Auxiliary contact block                       |
| ETIM 6                     | EC000041 - Auxiliary contact block                       |
| ETIM 7                     | EC000041 - Auxiliary contact block                       |

|                                    |                             |
|------------------------------------|-----------------------------|
| eClass                             | V11.0 : 27371302            |
| UNSPSC                             | 39121522                    |
| IDEA Granular Category Code (IGCC) | 4742 >> Electrical contacts |
| E-Number (Finland)                 | 3706161                     |
| E-Number (Sweden)                  | 3110146                     |

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**Categories**

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Low Voltage Products and Systems → Control Products → Manual Motor Starters → Manual Motor Starters Accessories

