

PRODUCT-DETAILS

# HK1-11

## HK1-11 Auxiliary Contact



### General Information

|                       |  |
|-----------------------|--|
| Extended Product Type | HK1-11   |
| Product ID            | 1SAM201902R1001  |
| EAN                   | 4013614320361  |
| Catalog Description   | HK1-11 Auxiliary Contact   |
| Long Description      | Auxiliary contacts HK1 change position with the main contacts of the manual motor starter. They are mounted laterally on the right side of manual motor starters MS116, MS132 or MS165. Auxiliary contacts HK1 are available as normally open or normally closed contacts. |

### Ordering

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

### Popular Downloads

|                                   |  |
|-----------------------------------|--|
| Data Sheet, Technical Information | 1SBC100214C0202  |
| Instructions and Manuals          | 2CDC131011M6802<br>2CDC131034M6801<br>2CDC131022M6802<br>2CDC131120M6801<br>2CDC131081M6801<br>2CDC131082M6801 |
| Instructions and Manuals (Part 3) | 1SBC100214C0202  |
| CAD Dimensional Drawing           | 2CDC001079B0201  |

## Dimensions

|                            |          |
|----------------------------|----------|
| Product Net Width          | 9 mm     |
| Product Net Height         | 90 mm    |
| Product Net Depth / Length | 78.5 mm  |
| 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 ( $I_{\theta}$ ) | (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 ( $I_{\theta}$ ) | (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                            | 100000 cycle   |
| Mechanical Durability                            | 100000 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                  | 1  |
| Number of Auxiliary Contacts NC                  | 1  |
| Number of Auxiliary Contacts CO (SPDT)           | 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                                     | Auxiliary Contact  |
| Suitable For                                     | MS116<br>MS132<br>MO132<br>MS165<br>MO165  |
| Suitable for Product Class                       | Manual Motor Starter   |
| Accessory Group                                  | Electrical   |
| Accessory Type                                   | Auxiliary 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  
Q600

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**Environmental**

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|---|--|
| Ambient Air Temperature                           | Operation -25 ... +60 °C<br>Storage -50 ... +80 °C                     |
| Resistance to Shock acc.<br>to IEC 60068-2-27     | 11 ms Pulse 25g  |
| Resistance to Vibrations<br>acc. to IEC 60068-2-6 | 5g / 3 ... 150 Hz  |
| RoHS Status                                       | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |

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**Certificates and Declarations (Document Number)**

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|-------------------------------------|--|
| ABS Certificate                     | 1SAA963001-0101  |
| BV Certificate                      | 1SAA963002-0201  |
| CB Certificate                      | 1SAA963004-2002  |
| CQC Certificate                     | CQC2017010304032778  |
| cUL Certificate                     | cUL E137861  |
| Declaration of Conformity<br>- CCC  | 2020980304001252   |
| Declaration of Conformity<br>- CE   | 1SAD101100-3410  |
| Declaration of Conformity<br>- UKCA | 1SAD201100-3410  |
| DNV GL Certificate                  | 1SAA963001-0304  |
| Instructions and Manuals            | 2CDC131011M6802<br>2CDC131034M6801<br>2CDC131022M6802<br>2CDC131120M6801<br>2CDC131081M6801<br>2CDC131082M6801 |
| LR Certificate                      | 1SAA963001-0502<br>1SAA963001-0501<br>1SAA963000-0505<br>1SAA918001-0501                                       |
| RINA Certificate                    | 1SAA963002-0802  |
| RoHS Information                    | 1SAD101100-3410  |
| UL Certificate                      | UL E137861   |

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**Container Information**

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|                                   |                  |
|-----------------------------------|------------------|
| Package Level 1 Width             | 25 mm            |
| Package Level 1 Depth /<br>Length | 80 mm            |
| Package Level 1 Height            | 93 mm            |
| Package Level 1 Gross<br>Weight   | 0.08 kg          |
| Package Level 1 EAN               | 4013614481437    |
| Package Level 1 Units             | box 2 piece      |
| Package Level 2 Width             | 280 mm           |
| Package Level 2 Depth /<br>Length | 395 mm           |
| Package Level 2 Height            | 210 mm           |
| Package Level 2 Gross<br>Weight   | 6.775 kg         |
| Package Level 2 EAN               | 4013614522772    |
| Package Level 2 Units             | carton 160 piece |

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**Classifications**

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|----------------------------|--|
| 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 |
| ETIM 8                             | EC000041 - Auxiliary contact block |
| eClass                             | V11.0 : 27371302                   |
| UNSPSC                             | 39121522                           |
| IDEA Granular Category Code (IGCC) | 4743 >> Auxiliary contact block    |
| E-Number (Finland)                 | 3706016                            |
| E-Number (Sweden)                  | 3112005                            |

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## Categories

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

