

## PRODUCT-DETAILS

# HK1-20

## HK1-20 Auxiliary Contact



### General Information

|                       |                          |
|-----------------------|--------------------------|
| Extended Product Type | HK1-20                   |
| Product ID            | 1SAM201902R1002          |
| EAN                   | 4013614320378            |
| Catalog Description   | HK1-20 Auxiliary Contact |
| Long Description      | HK1-20 Aux.-contact 2 NO |

### Ordering

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

### Popular Downloads

|                                   |                                                                                                                |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------|
| Data Sheet, Technical Information | 1SBC100192C02--                                                                                                |
| Instructions and Manuals          | 2CDC131011M6802<br>2CDC131034M6801<br>2CDC131022M6802<br>2CDC131120M6801<br>2CDC131081M6801<br>2CDC131082M6801 |

### 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 <sub>e</sub> )   | (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 <sub>e</sub> )   | (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 <sub>imp</sub> ) | Auxiliary Circuit 6 kV                                                                                                                                                                                             |
| Rated Insulation Voltage (U <sub>i</sub> )          | 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                     | 2                                                                                                                                                                                                                  |
| Number of Auxiliary Contacts NC                     | 0                                                                                                                                                                                                                  |
| 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      | Flexible 1/2x 16-14 AWG   |
| Auxiliary Circuit UL/CSA | Stranded 1/2x 16-14 AWG   |
| Tightening Torque        | Auxiliary Circuit 7 in-lb |
| UL/CSA                   |                           |
| Contact Rating UL/CSA    | B600                      |
|                          | 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>1SAD938506-0191<br>1SAD938508-0188<br>1SAD938509-0183<br>1SAD938516-0125<br>1SAD938522-0060<br>1SAD938503-0304 |
| Declaration of Conformity - UKCA | 1SAD938500-1060                                                                                                                                                                            |
| DNV GL Certificate               | 1SAA963001-0304                                                                                                                                                                            |
| GOST Certificate                 | 1SAA937000-2703                                                                                                                                                                            |
| 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                 | 1SAD938516-0125                                                                                                                                                                            |
| UL Certificate                   | UL_E137861                                                                                                                                                                                 |

## Container Information

|                                |         |
|--------------------------------|---------|
| Package Level 1 Width          | 25 mm   |
| Package Level 1 Depth / Length | 93 mm   |
| Package Level 1 Height         | 80 mm   |
| Package Level 1 Gross Weight   | 0.08 kg |

|                                |                  |
|--------------------------------|------------------|
| Package Level 1 EAN            | 4013614481468    |
| Package Level 1 Units          | box 2 piece      |
| Package Level 2 Width          | 280 mm           |
| Package Level 2 Depth / Length | 395 mm           |
| Package Level 2 Height         | 210 mm           |
| Package Level 2 Gross Weight   | 6.775 kg         |
| Package Level 2 EAN            | 4013614522789    |
| Package Level 2 Units          | carton 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)                 | 3706017                                                  |
| E-Number (Sweden)                  | 3112007                                                  |

Categories

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

