

## 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      | HK1-11 Aux.-contact 1 NO + 1 NC |

### 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 |

### 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 ( $I_e$ )     | (240 V) 4 A<br>(24 V) 6 A<br>(380 / 400 V) 3 A<br>(690 V) 1 A                                                                                                                                                      |
| Rated Operational Current DC-13 ( $I_e$ )     | (125 V) 0.55 A<br>(24 V) 2 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<br>UL/CSA | Auxiliary Circuit 7 in-lb |
| Contact Rating UL/CSA       | B600<br>Q600              |

## Environmental

|                                               |                                                                 |
|-----------------------------------------------|-----------------------------------------------------------------|
| Ambient Air<br>Temperature                    | Operation -25 ... +60 °C<br>Storage -50 ... +80 °C              |
| Resistance to Shock acc.<br>to IEC 60068-2-27 | 11 ms Pulse 25g                                                 |
| RoHS Status                                   | Following EU Directive 2002/95/EC August 18, 2005 and amendment |

## Certificates and Declarations (Document Number)

|                                   |                                                                                                                                                                                            |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ABS Certificate                   | 1SAA963001-0101                                                                                                                                                                            |
| BV Certificate                    | 1SAA963002-0201                                                                                                                                                                            |
| CB Certificate                    | 1SAA963001-2002                                                                                                                                                                            |
| CCC Certificate                   | 1SAA963003-3802                                                                                                                                                                            |
| cUL Certificate                   | cUL_E137861                                                                                                                                                                                |
| Declaration of<br>Conformity - CE | 1SAD938503-0304<br>1SAD938504-0196<br>1SAD938507-0190<br>1SAD938504-0198<br>1SAD938505-0197<br>1SAD938506-0191<br>1SAD938507-0188<br>1SAD938508-0183<br>1SAD938514-0125<br>1SAD938521-0060 |
| DNV GL Certificate                | 1SAA963001-0304                                                                                                                                                                            |
| GOST Certificate                  | 1SAA937000-2703                                                                                                                                                                            |
| Instructions and<br>Manuals       | 2CDC131011M6802<br>2CDC131034M6801<br>2CDC131022M6802                                                                                                                                      |
| LR Certificate                    | 1SAA963001-0502<br>1SAA963001-0501<br>1SAA963000-0505<br>1SAA918001-0501                                                                                                                   |
| RINA Certificate                  | Rina_MS132                                                                                                                                                                                 |
| RoHS Information                  | 1SAA963001-4407                                                                                                                                                                            |
| UL Certificate                    | UL_E137861                                                                                                                                                                                 |

## Container Information

|                                   |                  |
|-----------------------------------|------------------|
| 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 |

| 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                             |                                                          | 7.0 27371302 |
| UNSPSC                             |                                                          | 39121522     |
| IDEA Granular Category Code (IGCC) | 4742 >> Electrical contacts                              |              |
| E-Number (Sweden)                  |                                                          | 3112005      |

| Categories                                                                                                      |
|-----------------------------------------------------------------------------------------------------------------|
| Low Voltage Products and Systems → Control Products → Manual Motor Starters → Manual Motor Starters Accessories |

