PRODUCT-DETAILS

# HK1-20L

## HK1-20L Aux.-cont. w. 2 lead contacts 2 NO



360°

### General Information

| | |
|---|---|
| Extended Product Type | HK1-20L |
| Product ID | 1SAM201902R1004 |
| EAN | 4013614365881 |
| Catalog Description | HK1-20L Aux.-cont. w. 2 lead contacts 2 NO |
| 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 contact HK1-20L provides 2 NO leading contacts. |

### Ordering

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

### Popular Downloads

| | |
|---|---|
| Data Sheet, Technical Information | 1SBC100214C0202 |
| Instructions and | 2CDC131011M6802 |

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| | |
|---|---|
| Manuals | 2CDC131034M6801<br>2CDC131022M6802 |
| Instructions and Manuals (Part 3) | 1SBC100214C0202 |
| CAD Dimensional Drawing | 2CDC001079B0201 |

## Dimensions

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|---|---|
| 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 ($I_e$) | (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 | 100000 cycle |
| Mechanical Durability | 100000 cycle |
| Connecting Capacity Auxiliary Circuit | Flexible with Ferrule 1/2x 0.75 ... 1.5 mm²<br>Flexible with Insulated Ferrule 1/2x 0.75 ... 1.5 mm²<br>Flexible 1/2x 0.75 ... 1.5 mm²<br>Rigid 1/2x 1 ... 1.5 mm² |
| 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 |
| Product Name | Auxiliary Contact |
| Suitable For | MS116<br>MS132<br>MO132 |
| Suitable for Product Class | Manual Motor Starter |
| Accessory Group | Electrical |

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| | |
|---|---|
| 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<br>Q600 |

## Environmental

| | |
|---|---|
| Ambient Air Temperature | Operation -25 ... +60 °C |
| Resistance to Shock acc. to IEC 60068-2-27 | 11 ms Pulse 25g |
| Resistance to Vibrations | 5g 3 ... 150 Hz |

## Material Compliance

| | |
|---|---|
| Conflict Minerals Reporting Template (CMRT) | 9AKK108467A5658 |
| REACH Declaration | 1SAA963005-4502 |
| RoHS Information | 1SAA963006-4502 |
| RoHS Status | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| Toxic Substances Control Act - TSCA | 2CMT2023-006539 |
| WEEE B2C / B2B | Business To Business |
| WEEE Category | 5. Small Equipment (No External Dimension More Than 50 cm) |

## Certificates and Declarations

| | |
|---|---|
| A2L Certificate – IEC | 1SAA963000-4601 |
| ABS Certificate | 1SAA963001-0101 |
| BV Certificate | 1SAA963000-0202 |
| CB Certificate | 1SAA963004-2002 |
| CQC Certificate | CQC2017010304032778 |
| cUL Certificate | cUL_E137861 |
| Declaration of Conformity - CCC | 2020980304001252 |
| Declaration of Conformity - CE | 1SAD101100-3410 |
| Declaration of Conformity - UKCA | 1SAD201100-3410 |
| DNV GL Certificate | 1SAA963001-0304 |
| LR Certificate | 1SAA963001-0502<br>1SAA963001-0501<br>1SAA963000-0505<br>1SAA918001-0501 |
| RINA Certificate | 1SAA963002-0802 |
| UL Certificate | UL_E137861 |

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## 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 | 4013614481482 |
| 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 | 4013614522802 |
| 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 |
| ETIM 8 | EC000041 - Auxiliary contact block |
| eClass | V11.0 : 27371302 |
| UNSPSC | 39121522 |
| IDEA Granular Category Code (IGCC) | 4743 >> Auxiliary contact block |
| E-Number (Norway) | 4364296 |

## Categories

Low Voltage Products and Systems → Circuit Breakers → Manual Motor Starters

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

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