



PRODUCT-DETAILS

# HKF1-20K

## HKF1-20K Aux.-contact for frontmounting with Push-In terminals



General Information	
Extended Product Type	HKF1-20K
Product ID	1SAM201901R1202
EAN	4013614523298
Catalog Description	HKF1-20K Aux.-contact for frontmounting with Push-In terminals
Long Description	Auxiliary contacts HKF1-K with Push-in Spring terminals change position with the main contacts of the manual motor starter. They are mounted on the front side of manual motor starters MS116, MS132 or MS165. Auxiliary contacts HKF1-K are available as normally open or normally closed contacts and provide easy and fast connection by tool-free wiring thanks to the innovative Push-in Spring technology.

Ordering	
Minimum Order Quantity	1 piece
Customs Tariff Number	85365080

Popular Downloads	
Data Sheet, Technical	1SBC100212C0201

Information

Instructions and Manuals	2CDC131120M6801
CAD Dimensional Drawing	2CDC001079B0201
Marketing Video	2CDC131130V0201

**Dimensions**

Product Net Width	45 mm
Product Net Height	12.5 mm
Product Net Depth / Length	27.5 mm
Product Net Weight	0.016 kg

**Technical**

Terminal Type	Push-in Spring Terminals
Rated Operational Voltage	250 V
Rated Operational Current AC-15 ( $I_e$ )	(24 V) 3 A (120 V) 3 A (240 V) 1.5 A
Rated Operational Current DC-13 ( $I_e$ )	(24 V) 1 A (125 V) 0.27 A (250 V) 0.11 A
Rated Frequency (f)	Auxiliary Circuit DC Auxiliary Circuit 50 Hz Auxiliary Circuit 60 Hz
Rated Impulse Withstand Voltage ( $U_{imp}$ )	Auxiliary Circuit 6 kV
Rated Insulation Voltage ( $U_i$ )	250 V
Degree of Protection	IP20
Electrical Durability	100000 cycle
Mechanical Durability	100000 cycle
Connecting Capacity Auxiliary Circuit	Flexible with Ferrule 1/2x 0.5 ... 2.5 mm <sup>2</sup> Flexible with Insulated Ferrule 1/2x 0.5 ... 1.5 mm <sup>2</sup> Flexible 1/2x 0.5 ... 2.5 mm <sup>2</sup> Rigid 1/2x 0.5 ... 2.5 mm <sup>2</sup>
Wire Stripping Length	Auxiliary Circuit 10 mm
Recommended Screw Driver	M3
Number of Auxiliary Contacts NO	2
Number of Auxiliary Contacts NC	0
Standards	CSA 22.2 No. 14 IEC/EN 60947-1 IEC/EN 60947-5-1 UL 508 UL 60947-1 UL 60947-5-1
Product Name	Auxiliary Contact
Suitable For	MS116 MS132 MO132 MS165 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 250 V AC
Connecting Capacity Auxiliary Circuit UL/CSA	Rigid 1/2x 20-14 AWG Stranded 1/2x 20-14 AWG
Contact Rating UL/CSA	B300 R300

Environmental

Ambient Air Temperature	Operation -25 ... +60 °C Storage -50 ... +80 °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

ABS Certificate	1SAA963001-0101
CB Certificate	1SAA963003-2002
CQC Certificate	CQC2017010304032779
Declaration of Conformity - CCC	2020980304001251
Declaration of Conformity - CE	1SAD101100-3410
Declaration of Conformity - UKCA	1SAD201100-3410
RINA Certificate	1SAA963002-0802

Container Information

Package Level 1 Width	148 mm
Package Level 1 Depth / Length	36 mm
Package Level 1 Height	50 mm

Package Level 1 Gross Weight	0.195 kg
Package Level 1 EAN	4013614523304
Package Level 1 Units	box 10 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	9.76 kg
Package Level 2 EAN	4013614523410
Package Level 2 Units	500 piece

Classifications

Object Classification Code	Q
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)	3707823

Categories

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

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

