



PRODUCT-DETAILS

# HKF1-10

## HKF1-10 Aux.-contact for front mounting



General Information	
Extended Product Type	HKF1-10
Product ID	1SAM201901R1003
EAN	4013614502620
Catalog Description	HKF1-10 Aux.-contact for front mounting
Long Description	Auxiliary contacts HKF1 with screw 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 are available as normally open or normally closed contacts.

Ordering	
Minimum Order Quantity	10 piece
Customs Tariff Number	85365080

Popular Downloads	
Data Sheet, Technical Information	1SBC100214C0202

Instructions and Manuals	2CDC131011M6802
	2CDC131034M6801
	2CDC131022M6802
	2CDC131120M6801
	2CDC131081M6801
	2CDC131082M6801
Instructions and Manuals (Part 3)	1SBC100214C0202
CAD Dimensional Drawing	2CDC001079B0201

Dimensions	
Product Net Width	45 mm
Product Net Height	12.5 mm
Product Net Depth / Length	26.5 mm
Product Net Weight	0.013 kg

Technical	
Terminal Type	Screw Terminals
Rated Operational Voltage	250 V
Rated Operational Current AC-15 (I <sub>e</sub> )	(24 V) 3 A (120 V) 3 A (240 V) 1.5 A
Rated Operational Current DC-13 (I <sub>e</sub> )	(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 <sub>imp</sub> )	Auxiliary Circuit 6 kV
Rated Insulation Voltage (U <sub>i</sub> )	250 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> Flexible with Insulated Ferrule 1/2x 0.75 ... 1.5 mm <sup>2</sup> Flexible 1/2x 0.75 ... 1.5 mm <sup>2</sup> Rigid 1/2x 1.0 ... 2.5 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 Pozidriv 2
Number of Auxiliary Contacts NO	1
Number of Auxiliary Contacts NC	0
Product Name	Auxiliary Contact
Suitable For	MS116 MS132 MO132 MS165 MO165
Suitable for Product	5:Manual Motor Starters

Class	Manual Motor Starters
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	Flexible 1/2x 16-14 AWG Stranded 1/2x 16-14 AWG
Tightening Torque UL/CSA	Auxiliary Circuit 7 in-lb
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

A2L Certificate – IEC	1SAA963000-4601
CB Certificate	1SAA963003-2002
CQC Certificate	CQC2017010304032779
Declaration of Conformity - CCC	2020980304001251
Declaration of Conformity - CE	1SAD101100-3410
Declaration of Conformity - UKCA	1SAD201100-3410
LR Certificate	1SAA963001-0501 1SAA963001-0502 1SAA963000-0505 1SAA918001-0501
RINA Certificate	1SAA963002-0802
UL Certificate	UL_E137861

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		4013614502637
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		10.125 kg
Package Level 2 EAN		4013614522741
Package Level 2 Units		carton 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 (Norway)		4364294

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

