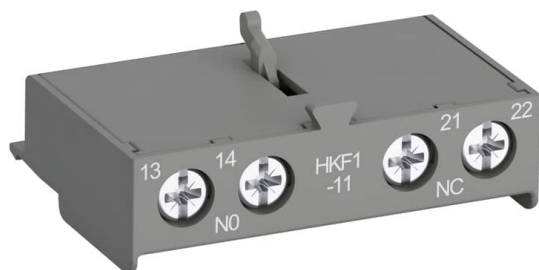


ABB Protection & Control Products

1SAM201901R1001

HKF1-11 Front Mount Aux (HKF1-11)



Information

Manual motor starters main accessories - Auxiliary contacts

* Part number: HKF1-11

* MMS and MS132-T can be equipped with auxiliary contacts for lateral/front mounting, signaling contacts for lateral mounting, undervoltage releases and shunt trips. Two different signaling contacts are available. The accessories can be fitted wiring free and without tools. A variety of combinations is possible as required for the application. The auxiliary contacts change position with the main contacts. The signaling contact SK signals tripping regardless if it was caused by short-circuit or overload. The signaling contact CK signals tripping in case it was caused by short-circuit. Undervoltage releases are used for remote tripping of the manual motor starters especially for emergency stop circuits. Shunt trips release the MMS used for remote tripping. These main accessories are suitable throughout the MS116/MS132/MS165-range.

Technical Specifications

Minimum Order Quantity	1 piece
Customs Tariff Number	85365080
Product Net Width	45 mm
Product Net Height	12.5 mm
Product Net Depth / Length	26.5 mm
Product Net Weight	0.015 kg
Terminal Type	Screw Terminals
Rated Operational Voltage	250 V
Rated Operational Current AC-15 (Ie)	(24 V) 3 A(120 V) 3 A(240 V) 1.5 A
Rated Operational Current DC-13 (Ie)	(24 V) 1 A(125 V) 0.27 A(250 V) 0.11 A
Rated Frequency (f)	Auxiliary Circuit DCAuxiliary Circuit 50 HzAuxiliary Circuit 60 Hz
Rated Impulse Withstand Voltage (Uimp)	Auxiliary Circuit 6 kV
Rated Insulation Voltage (Ui)	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 ² Flexible with Insulated Ferrule 1/2x 0.75 ... 1.5 mm ² Flexible 1/2x 0.75 ... 1.5 mm ² Rigid 1/2x 1.0 ... 2.5 mm ²
Tightening Torque	Auxiliary Circuit 0.8 ... 1.2 N·m
Wire Stripping Length	Auxiliary Circuit 8 mm
Recommended Screw Driver	M3Pozidriv 2
Number of Auxiliary Contacts NO	1
Number of Auxiliary Contacts NC	1
Standards	CSA 22.2 No. 14IEC/EN 60947-1IEC/EN 60947-5-1UL 508UL 60947-1UL 60947-5-1
Product Name	Auxiliary Contact
Suitable For	MS116MS132MO132MS165MO165
Suitable for Product Class	Manual Motor Starter
Accessory Group	Electrical
Accessory Type	Auxiliary Contact
Maximum Operating Voltage UL/CSA	Main Circuit 250 V AC
Connecting Capacity Auxiliary Circuit UL/CSA	Flexible 1/2x 16-14 AWGStranded 1/2x 16-14 AWG
Tightening Torque UL/CSA	Auxiliary Circuit 7 in·lb
Contact Rating UL/CSA	B300R300
Ambient Air Temperature	Operation -25 ... +60 °CStorage -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 and Amendment 2015/863 July 22, 2019
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	4013614481413
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	4013614522727
Package Level 2 Units	carton 500 piece
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 (Finland)	3706015
E-Number (Sweden)	3112001