

Main accessories

Auxiliary and signalling contacts



HKF1-11



HK1-11



SK1-11



CK1-11

Description

MMS and MS132-T can be equipped with auxiliary contacts for lateral/front mounting, signaling contact for lateral mounting, undervoltage release 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 release are used for remote tripping of the manual motor starter especially for emergency stop circuits. Shunt trips release the MMS used for remote tripping.

Ordering details

Suitable for	Auxiliary contacts fitted	Description	Factory code	Order code
Auxiliary contacts – mountable on the front				
MS116, MS132, MS165	1 1		1SAM201901R1001	HKF1-11
	2 0		1SAM201901R1002	HKF1-20
Auxiliary contacts – mountable on the right				
MS116, MS132, MS165	1 1	max. 2 pieces	1SAM201902R1001	HK1-11
	2 0	max. 2 pieces	1SAM201902R1002	HK1-20
	0 2	max. 2 pieces	1SAM201902R1003	HK1-02
	2 0	with lead contacts	1SAM201902R1004	HK1-20L
Signaling contacts – mountable on the right				
MS116, MS132, MS165	1 1	for tripped alarm, max. 2 pieces	1SAM201903R1001	SK1-11
	2 0	for tripped alarm, max. 2 pieces	1SAM201903R1002	SK1-20
	0 2	for tripped alarm, max. 2 pieces	1SAM201903R1003	SK1-02
MS132, MS165	1 1	for short-circuit alarm, max. 2 pieces	1SAM301901R1001	CK1-11
	2 0	for short-circuit alarm, max. 2 pieces	1SAM301901R1002	CK1-20
	0 2	for short-circuit alarm, max. 2 pieces	1SAM301901R1003	CK1-02

Note:

For full selection and technical details, please refer to main Manual motor starters catalogue 1SBC100192C0206.

Main accessories

Shunt trips and undervoltage releases



AA1-24



UA1-24

Ordering details

Suitable for	Rated control supply voltage		Factory code	Order code
	50 Hz V AC	60 Hz V AC		
Shunt trips – mountable on the left				
MS116, MS132, MS165	20 ... 24	20 ... 24	1SAM201910R1001	AA1-24
	110	110	1SAM201910R1002	AA1-110
	200 ... 240	200 ... 240	1SAM201910R1003	AA1-230
	350 ... 415	350 ... 415	1SAM201910R1004	AA1-400
Undervoltage releases – mountable on the left				
MS116, MS132, MS165	20	24	1SAM201904R1010	UA1-20
	24	–	1SAM201904R1001	UA1-24
	48	–	1SAM201904R1002	UA1-48
	60	–	1SAM201904R1003	UA1-60
	110	120	1SAM201904R1004	UA1-110
	–	208	1SAM201904R1008	UA1-208
	230	240	1SAM201904R1005	UA1-230
	400	–	1SAM201904R1006	UA1-400
	415	480	1SAM201904R1007	UA1-415
	–	575	1SAM201904R1009	UA1-575

Note:

For full selection and technical details, please refer to main Manual motor starters catalogue 1SBC100192C0206.