

MS116 manual motor starters

0.10 to 32 A – with thermal and electromagnetic protection

2



2CDC241010F0011

MS116-16



2CDC241010F0011

MS116-25



2CDC241013F0011

MS116-0.16-HKF1-11



2CDC241012F0011

MS116-32-HKF1-11

Description

Manual motor starters (MMS) are protection devices for the main circuit. They combine motor control and protection in a single device. MMS are used mainly to switch motors manually ON/OFF and protect them and the installation fuse less against short-circuit, overload and phase failures. Fuse less protection with a manual motor starter saves costs, space and ensures a quick reaction under short-circuit condition, by switching off the motor within milliseconds.

MS116 is a compact and economic range for motor protection up to 15.5 kW (400 V) / 32 A in width of 45 mm. Further features are the build-in disconnect function, temperature compensation, trip-free mechanism and a rotary handle with a clear switch position indication. The manual motor starter is suitable for three- and single-phase applications. Auxiliary contacts, signalling contacts, undervoltage releases, shunt trips, three-phase bus bars, power in-feed blocks and locking devices for protection against unauthorized changes are available as accessory.

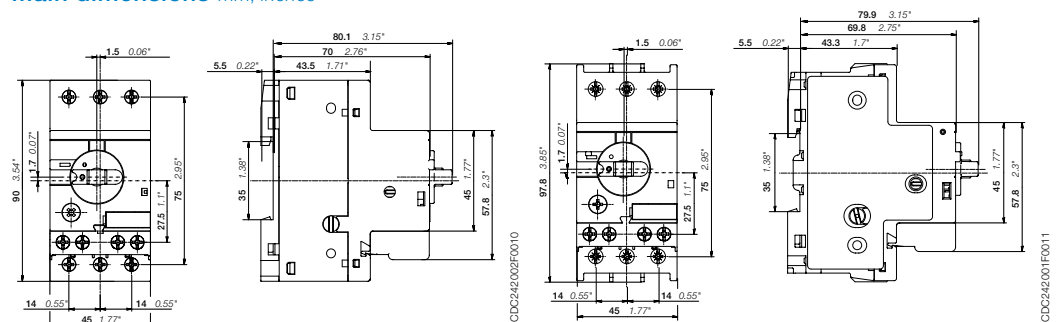
Ordering details

Rated operational power 400 V AC-3	Setting range	Short-circuit breaking capacity Ics at 400 V AC	Rated instantaneous short-circuit current setting Ii	Type	Order code	Weight (1 pce)
kW	A	kA	A			kg
0.03	0.10...0.16	50	1.56	MS116-0.16	1SAM250000R1001	0.225
0.06	0.16...0.25	50	2.44	MS116-0.25	1SAM250000R1002	0.225
0.09	0.25...0.40	50	3.90	MS116-0.4	1SAM250000R1003	0.225
0.12	0.40...0.63	50	6.14	MS116-0.63	1SAM250000R1004	0.225
0.25	0.63...1.00	50	11.50	MS116-1.0	1SAM250000R1005	0.225
0.55	1.00...1.60	50	18.40	MS116-1.6	1SAM250000R1006	0.265
0.75	1.60...2.50	50	28.75	MS116-2.5	1SAM250000R1007	0.265
1.5	2.50...4.00	50	50.00	MS116-4.0	1SAM250000R1008	0.265
2.2	4.00...6.30	50	78.75	MS116-6.3	1SAM250000R1009	0.265
4.0	6.30...10.0	50	150	MS116-10	1SAM250000R1010	0.265
5.5	8.00...12.0	25	180	MS116-12	1SAM250000R1012	0.265
7.5	10.0...16.0	16	240	MS116-16	1SAM250000R1011	0.265
9.0	16.0...20.0	10	300	MS116-20	1SAM250000R1013	0.310
12.5	20.0...25.0	10	375	MS116-25	1SAM250000R1014	0.310
15.5	25.0...32.0	10	480	MS116-32	1SAM250000R1015	0.310

Auxiliary contacts mounted on the front (1 N.O. + 1 N.C.)

0.03	0.10...0.16	50	1.56	MS116-0.16-HKF1-11	1SAM250005R1001	0.240
0.06	0.16...0.25	50	2.44	MS116-0.25-HKF1-11	1SAM250005R1002	0.240
0.09	0.25...0.40	50	3.90	MS116-0.4-HKF1-11	1SAM250005R1003	0.240
0.12	0.40...0.63	50	6.14	MS116-0.63-HKF1-11	1SAM250005R1004	0.240
0.25	0.63...1.00	50	11.50	MS116-1.0-HKF1-11	1SAM250005R1005	0.240
0.55	1.00...1.60	50	18.40	MS116-1.6-HKF1-11	1SAM250005R1006	0.280
0.75	1.60...2.50	50	28.75	MS116-2.5-HKF1-11	1SAM250005R1007	0.280
1.5	2.50...4.00	50	50.00	MS116-4.0-HKF1-11	1SAM250005R1008	0.280
2.2	4.00...6.30	50	78.75	MS116-6.3-HKF1-11	1SAM250005R1009	0.280
4.0	6.30...10.0	50	150	MS116-10.0-HKF1-11	1SAM250005R1010	0.280
5.5	8.00...12.0	25	180	MS116-12.0-HKF1-11	1SAM250005R1012	0.280
7.5	10.0...16.0	16	240	MS116-16.0-HKF1-11	1SAM250005R1011	0.280
9.0	16.0...20.0	10	300	MS116-20-HKF1-11	1SAM250005R1013	0.326
12.5	20.0...25.0	10	375	MS116-25-HKF1-11	1SAM250005R1014	0.326
15.5	25.0...32.0	10	480	MS116-32-HKF1-11	1SAM250005R1015	0.326

Main dimensions mm, inches



MS116 ≤ 16 A & MS116-HKF1-11 ≤ 16 A

MS116 ≥ 20 A & MS116-HKF1-11 ≥ 20 A

MS132 manual motor starters

0.10 to 32 A – with thermal and electromagnetic protection

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1SBC10122FF010

MS132-10



2DC24101FF0011

MS132-32



2DC241014FF011

MS132-0.16-HKF1-11



2DC241015FF0011

MS132-32-HKF1-11

Description

Manual motor starters (MMS) are protection devices for the main circuit. They combine motor control and protection in a single device. MMS are used mainly to switch motors manually ON/OFF and protect them and the installation fuse less against short-circuit, overload and phase failures. Fuse less protection with a manual motor starter saves costs, space and ensures a quick reaction under short-circuit condition, by switching off the motor within milliseconds.

MS132 is a compact and powerful range for motor protection up 15.5 kW (400 V) / 32 A in width of 45 mm. Further features are the build-in disconnect function, temperature compensation, trip-free mechanism and a rotary handle with a clear switch position indication. The manual motor starter is suitable for three- and single-phase applications. The handle is lockable to protect against unauthorized changes. Auxiliary contacts, signalling contacts, undervoltage releases, shunt trips, three-phase bus bars, power in-feed blocks.

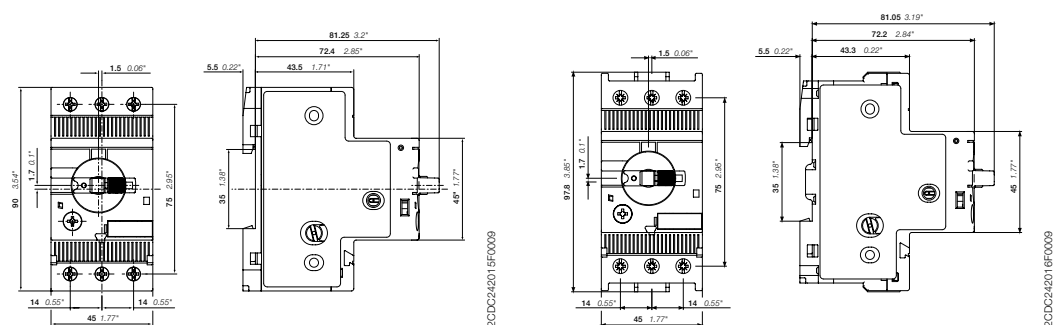
Ordering details

Rated operational power 400 V AC-3	Setting range	Short-circuit breaking capacity Ics at 400 V AC	Rated instantaneous short-circuit current setting Ii	Type	Order code	Weight (1 pce)
kW	A	kA	A			kg
0.03	0.10...0.16	100	1.56	MS132-0.16	1SAM350000R1001	0.215
0.06	0.16...0.25	100	2.44	MS132-0.25	1SAM350000R1002	0.215
0.09	0.25...0.40	100	3.90	MS132-0.4	1SAM350000R1003	0.215
0.12	0.40...0.63	100	6.14	MS132-0.63	1SAM350000R1004	0.215
0.25	0.63...1.00	100	11.50	MS132-1.0	1SAM350000R1005	0.215
0.55	1.00...1.60	100	18.40	MS132-1.6	1SAM350000R1006	0.265
0.75	1.60...2.50	100	28.75	MS132-2.5	1SAM350000R1007	0.265
1.5	2.50...4.00	100	50.00	MS132-4.0	1SAM350000R1008	0.265
2.2	4.00...6.30	100	78.75	MS132-6.3	1SAM350000R1009	0.265
4.0	6.30...10.0	100	150	MS132-10	1SAM350000R1010	0.265
5.5	8.00...12.0	100	180	MS132-12	1SAM350000R1012	0.310
7.5	10.0...16.0	100	240	MS132-16	1SAM350000R1011	0.310
9.0	16.0...20.0	100	300	MS132-20	1SAM350000R1013	0.310
12.5	20.0...25.0	50	375	MS132-25	1SAM350000R1014	0.310
15.5	25.0...32.0	25	480	MS132-32	1SAM350000R1015	0.310

Auxiliary contacts mounted on the front (1 N.O. + 1 N.C.)

0.03	0.10...0.16	100	1.56	MS132-0.16-HKF1-11	1SAM350005R1001	0.231
0.06	0.16...0.25	100	2.44	MS132-0.25-HKF1-11	1SAM350005R1002	0.231
0.09	0.25...0.40	100	3.90	MS132-0.4-HKF1-11	1SAM350005R1003	0.231
0.12	0.40...0.63	100	6.14	MS132-0.63-HKF1-11	1SAM350005R1004	0.231
0.25	0.63...1.00	100	11.50	MS132-1.0-HKF1-11	1SAM350005R1005	0.231
0.55	1.00...1.60	100	18.40	MS132-1.6-HKF1-11	1SAM350005R1006	0.281
0.75	1.60...2.50	100	28.75	MS132-2.5-HKF1-11	1SAM350005R1007	0.281
1.5	2.50...4.00	100	50.00	MS132-4.0-HKF1-11	1SAM350005R1008	0.281
2.2	4.00...6.30	100	78.75	MS132-6.3-HKF1-11	1SAM350005R1009	0.281
4.0	6.30...10.0	100	150	MS132-10.0-HKF1-11	1SAM350005R1010	0.281
5.5	8.00...12.0	100	180	MS132-12.0-HKF1-11	1SAM350005R1012	0.326
7.5	10.0...16.0	100	240	MS132-16.0-HKF1-11	1SAM350005R1011	0.326
9.0	16.0...20.0	100	300	MS132-20-HKF1-11	1SAM350005R1013	0.326
12.5	20.0...25.0	50	375	MS132-25-HKF1-11	1SAM350005R1014	0.326
15.5	25.0...32.0	25	480	MS132-32-HKF1-11	1SAM350005R1015	0.326

Main dimensions mm, inches



MS132 ≤ 10 A

MS132 ≥ 12 A