

MS165, MO165 manual motor starters

0.10 to 65 A – with thermal and electromagnetic protection & magnetic only



MS165-65

MS165

MS165 is a compact and powerful range for motor protection up to 30 kW (400 V) / 65 A in width of 55 mm. This type has also a clear and reliable indication of fault in a separate window in the event of short-circuit tripping. 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, signaling contacts, undervoltage releases, shunt trips, power in-feed blocks are available as accessory. These are suitable throughout the MS116/MS132/MS165-range.

Rated operational power 400 V AC-3	Setting range	Short-circuit breaking capacity I_{cs} at 400 V AC	Rated instantaneous short-circuit current setting I_i	Part Number	Product Hierarchy 1800001 Order Code
kW	A	kA	A		
7.5	10 ... 16	100	240	MS165-16	1SAM451000R1011
7.5	14 ... 20	100	300	MS165-20	1SAM451000R1012
11	18 ... 25	100	375	MS165-25	1SAM451000R1013
15	23 ... 32	75	480	MS165-32	1SAM451000R1014
22	30 ... 42	25	630	MS165-42	1SAM451000R1015
22	40 ... 54	25	810	MS165-54	1SAM451000R1016
30	52 ... 66	25	975	MS165-65	1SAM451000R1017

Note: Manual motor starters should always be selected so that the actual motor current is within the setting range.



MO165-65

MO165 (Magnetic only)

Manual motor starters magnetic only are electromechanical protection devices for the main circuit. They are used mainly to switch motors manually ON/OFF and protect them fuse-less against short-circuit. 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. Fuse-less starter combinations are setup together with contactors and overload relays.

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7.5	10 ... 16	100	240	MO165-16	1SAM461000R1011
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11	18 ... 25	100	375	MO165-25	1SAM461000R1013
15	23 ... 32	50	480	MO165-32	1SAM461000R1014
22	30 ... 42	25	630	MO165-42	1SAM461000R1015
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