Manual motor starters are electromechanical protection devices for the main circuit. They are used mainly to switch motors manually ON/OFF and to provide fuse less protection against short-circuit, overload and phase failures. Fuse less protection saves costs, space and ensures a quick reaction under short-circuit condition by switching off the motor within milliseconds. Starter combinations are setup together with contactors.

Main benefits

•Harmonized main accessory range (auxiliary contacts, signal contacts, shunt trips and under voltage releases) for MS1xx and MO1xx family
•Compact design
•Efficient planning and installation perfectly matching the ABB contactor family
•Simple connecting links ensure electrical and mechanical connection to build direct-on-line starters
•Less machine downtime by protecting motors and reduced trouble shooting
•Reduction of maintenance expenditures by protecting motors

Main features

•Manual control / short-circuit current and overload protection
•Adjustable current setting for overload protection and magnetic trip indication
•Disconnection function
•Temperature compensation
•Remote control via under voltage release or shunt trip
•Short-circuit service breaking capacity Ics up to 100 kA.

Why manual motor starters?
Manual motor starters are *protection devices* for electrical installations and motor applications. *They combine motor control and protection in a single device.*

These devices are *mainly* used to *switch motors manually on/ off and protect them 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.*

Customer benefits

– Compact design / space saving
– Various functions in one device
– Quick reaction / fast current limitation
– Motor protection concept for the world market (IEC, UL)
– Safe and cost-saving solution

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