

PRODUCT-DETAILS

MS116-1.0

MS116-1.0 Manual Motor Starter



General Information

Extended Product Type	MS116-1.0
Product ID	1SAM250000R1005
EAN	4013614320286
Catalog Description	MS116-1.0 Manual Motor Starter

Long Description

The MS116-1.0 manual motor starter (also known as motor protection circuit breaker or manual motor protector) is a compact 45 mm width device with a rated operational current of $I_e = 1.0$ A. This device is used to manually switch on and off motors and to protect them reliably and without the need for a fuse from short-circuits, overload and phase failures. The manual motor starter offers a rated service short-circuit breaking capacity $I_{cs} = 50$ kA at 400 VAC and trip class 10A. 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, signaling contacts, undervoltage releases, shunt trips, 3-phase bus bars, power in-feed blocks and locking devices for protection against unauthorized changes are available as accessory.

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85362010

Popular Downloads

Data Sheet, Technical Information	2CDC131025D0201
Instructions and	2CDC131011M6802

Manuals

Instructions and Manuals (Part 2)	2CDC131060M0202
Time-Current Characteristic Curve	1SAM200505F0105
I ² t Characteristic	1SAM200507F0001 1SAM200507F0002 1SAM200507F0003
Cut-off Current Characteristic	1SAM200508F0001 1SAM200508F0002 1SAM200508F0003
Dimension Diagram	1SAM200422F0001

Dimensions

Product Net Width	45 mm
Product Net Height	90 mm
Product Net Depth / Length	85.6 mm
Product Net Weight	0.225 kg

Technical

Rated Service Short-Circuit Breaking Capacity (I _{cs})	(230 V AC) 50 kA (400 V AC) 50 kA (440 V AC) 50 kA (500 V AC) 30 kA (690 V AC) 30 kA
Rated Ultimate Short-Circuit Breaking Capacity (I _{cu})	(230 V AC) 100 kA (400 V AC) 100 kA (440 V AC) 100 kA (500 V AC) 100 kA (690 V AC) 100 kA
Rated Instantaneous Short-Circuit Current Setting (I _i)	12.5 A
Setting Range	0.63 ... 1.0 A
Rated Operational Power AC-3 (P _e)	(400 V) Three Phase 0.25 kW
Rated Operational Voltage	Main Circuit 690 V AC
Rated Operational Current (I _e)	1 A
Rated Operational Current AC-3 (I _e)	1 A
Rated Frequency (f)	Main Circuit 50 Hz Main Circuit 60 Hz
Rated Impulse Withstand Voltage (U _{imp})	Main Circuit 6 kV
Rated Insulation Voltage (U _i)	690 V
Power Loss	at Rated Operating Conditions per Pole 0.6 ... 1.7 W
Number of Poles	3
Conventional Free-air Thermal Current (I _{th})	Main Circuit 1 A
Degree of Protection	Housing IP20 Main Circuit Terminals IP10
Pollution Degree	3
Electrical Durability	100000 cycle
Mechanical Durability	100000 cycle
Terminal Type	Screw Terminals
Connecting Capacity	Flexible with Ferrule 1/2x 0.75 ... 2.5 mm ²