MS132-2.5

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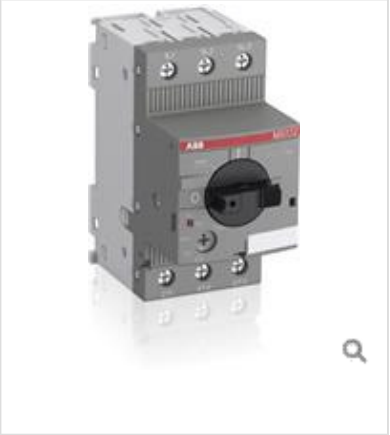
General Information

Extended Product Type:	MS132-2.5
Product ID:	1SAM350000R1007
EAN:	4013614400070
Catalog Description:	MS132-2.5 Manual Motor Starter
Long Description:	The MS132-2.5 manual motor starter is a compact 45 mm width devices with a rated operational current of Ie = 2.50 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 Ics = 100 kA at 400 VAC and the trip class 10. 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, 3-phase bus bars, power in-feed blocks are available as accessory.



Categories

Products » Low Voltage Products and Systems » Circuit Breakers » Manual Motor Starters

Products » Low Voltage Products and Systems » Control Products » Manual Motor Starters » Manual Motor Starters

Accessories Show accessory images

Ordering

EAN:	4013614400070
Minimum Order Quantity:	1 piece
Customs Tariff Number:	85362010

Container Information

Package Level 1 Units:	1 piece
Package Level 1 Width:	92.0 mm
Package Level 1 Length:	95.0 mm
Package Level 1 Height:	50.0 mm
Package Level 1 Gross Weight:	0.280 kg
Package Level 2 Units:	40 piece
Package Level 2 Width:	280.0 mm
Package Level 2 Length:	395.0 mm
Package Level 2 Height:	210.0 mm
Package Level 2 Gross Weight:	11.586 kg
Package Level 2 EAN:	4013614408977

Dimensions

Product Net Width:	45.0 mm
Product Net Height:	90.0 mm
Product Net Depth:	86.8 mm
Product Net Weight:	0.265 kg

Technical

Rated Service Short-Circuit Breaking Capacity (I_{cs}):	(230V AC) 100.0 kA (250V DC) 3 poles in series 10.0 kA (400V AC) 100.0 kA (440V AC) 100.0 kA (500V AC) 100.0 kA (690V AC) 100.0 kA
Rated Ultimate Short-Circuit Breaking Capacity (I_{cu}):	(230V AC) 100.0 kA (400V AC) 100.0 kA (440V AC) 100.0 kA (500V AC) 100.0 kA (690V AC) 100.0 kA
Rated Instantaneous Short-Circuit Current Setting (I_i):	31.3 A
Setting Range:	1.60 ... 2.50 A
Rated Operational Power AC-3 (P_e):	(400V) Three Phase 0.75 kW
Rated Operational Voltage:	Main Circuit 690 V AC Main Circuit 250 V DC
Rated Operational Current (I_e):	2.5 A
Rated Operational Current AC-3 (I_e):	2.50 A
Rated Operational Current DC-5 (I_e):	2.500 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:	Per Pole 0.7 ... 1.8 W
Number of Poles:	3
Conventional Free-air Thermal Current (I_{th}):	Main Circuit 2.50 A
Degree of Protection:	IP20
Pollution Degree:	3
Electrical Durability:	50000 cycle
Mechanical Durability:	100000 cycle
Connecting Capacity-Main Circuit:	Flexible with Ferrule 1/2x 0.75 ... 2.5 mm² Flexible with Insulated Ferrule 1/2x 0.75 ... 2.5 mm² Flexible 1/2x 0.75 ... 2.5 mm² Rigid 1/2x 1 ... 4 mm²
Tightening Torque:	Main Circuit 0.8 ... 1.2 N·m
Wire Stripping Length:	Main Circuit 9 mm
Recommended Screw Driver:	M3.5
Mounting Position:	Position 1 to 6
Actuator Type:	Rotary Handle
Contact Position Indication:	ON / OFF / TRIP
Mounting on DIN Rail:	TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715
Standards:	IEC/EN 60947-1

	IEC/EN 60947-2 IEC/EN 60947-4-1 UL 60947-1 UL 60947-4-1

Environmental

Ambient Air Temperature:	Around the Enclosure 0 ... +40 °C Operation -25 ... +70 °C Operation Compensated -25 ... +60 °C Storage -50 ... +80 °C
Ambient Air Temperature Compensation:	Yes
Maximum Operating Altitude Permissible:	2000 m
Resistance to Shock acc. to IEC 60068-2-27:	11 ms Pulse 250 m/s²
Resistance to Vibrations acc. to IEC 60068-2-6:	5g / 3 ... 150 Hz
RoHS Status:	Following EU Directive 2002/95/EC August 18, 2005 and amendment

Technical UL/CSA

Maximum Operating Voltage UL/CSA:	Main Circuit 600 V AC
Horse Power Rating UL/CSA:	220 ... 240V AC Three Phase 0.50 Hp 440 ... 480V AC Three Phase 1.00 Hp 550 ... 600V AC Three Phase 1.50 Hp
Ampere Rating UL/CSA:	2.50 A
General Use Rating UL/CSA:	600V AC 2.50 A
Connecting Capacity-Main Circuit UL/CSA:	Flexible 1/2x 16 ... 12 AWG Stranded 1/2x 16 ... 12 AWG
Tightening Torque UL/CSA:	Main Circuit 10 ... 12 in·lb

Certificates and Declarations (Document Number)

ABS Certificate:	1SAA963001-0101
ATEX Certificate:	1SAA963000-3901
BV Certificate:	1SAA963001-0201
CB Certificate:	1SAA963002-2001
CCC Certificate:	1SAA963001-3802
cUL Certificate:	UL_E137861 UL_E345003
Declaration of Conformity - CE:	1SAD938508-0125
DNV Certificate:	1SAA963001-0303
GL Certificate:	1SAA963001-0401
GOST Certificate:	1SAA937000-2703
LR Certificate:	1SAA963001-0501
RINA Certificate:	1SAA963000-0801
RMRS Certificate:	1SAA918000-0703
RoHS Information:	1SAA963002-4405
UL Certificate:	UL_E137861 UL_E345003

Classifications

Object Classification Code:	F
E-nummer:	3112123
UNSPSC:	39121521