

MS132-1.6

General Information

Extended Product Type:	MS132-1.6
Product ID:	1SAM350000R1006
EAN:	4013614400063
Catalog Description:	MS132-1.6 Manual Motor Starter
Long Description:	The MS132-1.6 manual motor starter is a compact 45 mm width devices with a rated operational current of $I_e = 1.60$ 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 $I_{cs} = 100$ 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

Ordering

Minimum Order Quantity: 1 piece

Customs Tariff Number: 85362010

Popular Downloads

Data Sheet, Technical Information: [2CDC131021D0201](#)

Data Sheet, Technical Information (Part 2): [1SAM300505F0006](#)

Data Sheet, Technical Information (Part 3): [1SAM300507F0001](#)
[1SAM300507F0003](#)
[1SAM300508F0001](#)
[1SAM300508F0003](#)

Instructions and Manuals: [2CDC131022M6802](#)

Dimension Diagram: [1SAM300402F0001](#)

Dimensions

Product Net Width: 45 mm

Product Net Height: 90 mm

Product Net Depth: 86.75 mm

Product Net Weight: 0.265 kg

Technical

Rated Service Short-Circuit (230 V AC) 100 kA

Breaking Capacity (I_{cs}): (250 V DC) 3 Poles in Series 10 kA
 (400 V AC) 100 kA
 (440 V AC) 100 kA
 (500 V AC) 100 kA
 (690 V AC) 100 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): 20 A

Setting Range: 1 ... 1.6 A

Rated Operational Power AC-3 (P_e): (400 V) Three Phase 0.55 kW

Rated Operational Voltage: Main Circuit 690 V AC
 Main Circuit 250 V DC

Rated Operational Current (I_e):	1.6 A
Rated Operational Current AC-3 (I_e):	1.6 A
Rated Operational Current DC-5 (I_e):	1.6 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 1.6 A
Degree of Protection:	Housing IP20 Main Circuit Terminals IP10
Pollution Degree:	3
Electrical Durability:	50000 cycle
Mechanical Durability:	100000 cycle
Terminal Type:	Screw Terminals
Connecting Capacity Main Circuit:	Flexible with Ferrule 1/2x 0.75 ... 2.5 mm ² Flexible with Insulated Ferrule 1/2x 0.75 ... 2.5 mm ² Flexible 1/2x 0.75 ... 2.5 mm ² Rigid 1/2x 1 ... 4 mm ²
Tightening Torque:	Main Circuit 0.8 ... 1.2 N·m
Wire Stripping Length:	Main Circuit 9 mm
Recommended Screw Driver:	Pozidriv 2
Mounting Position:	Position 1 to 6
Actuator Type:	Rotary Handle
Contact Position Indication:	ON / OFF / TRIP
Mounting on DIN Rail:	TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715 TH35-15 (35 x 15 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 25g
Resistance to Vibrations acc. to IEC 60068-2-6:	5g / 3 ... 150 Hz
RoHS Status:	Following EU Directive 2011/65/EU
Technical UL/CSA	
Maximum Operating Voltage UL/CSA:	Main Circuit 600 V AC
Horsepower Rating UL/CSA:	(440 ... 480 V AC) Three Phase 0.75 Hp (550 ... 600 V AC) Three Phase 0.75 Hp
Ampere Rating UL/CSA:	1.6 A
General Use Rating UL/CSA:	(600 V AC) 1.6 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:	<u>1SAA963001-0101</u>
ATEX Certificate:	<u>1SAA963000-3901</u>
BV Certificate:	<u>1SAA963001-0202</u>
CB Certificate:	<u>1SAA963002-2001</u>
CCC Certificate:	<u>1SAA963001-3805</u>
cUL Certificate:	<u>cUL_E137861</u> <u>cUL_E345003</u>
cULus Certificate:	<u>cUL_E137861</u>
Declaration of Conformity - CE:	<u>1SAD938511-0125</u>
DNV GL Certificate:	<u>1SAA963001-0304</u>
EAC Certificate:	<u>1SAA963000-2701</u>
GOST Certificate:	<u>1SAA963001-2702</u>
Instructions and Manuals:	<u>2CDC131022M6802</u>
LR Certificate:	<u>1SAA963001-0502</u>
RINA Certificate:	<u>1SAA963000-0802</u>
RMRS Certificate:	<u>1SAA918000-0704</u>
RoHS Information:	<u>1SAD938511-0125</u>
UL Certificate:	<u>UL_E137861</u> <u>UL_E345003</u>

Container Information

Package Level 1 Units:	1 piece
Package Level 1 Width:	92 mm
Package Level 1 Length:	95 mm
Package Level 1 Height:	50 mm

Package Level 1 Gross Weight: 0.28 kg

Package Level 1 EAN: 4013614400063

Package Level 2 Units: 40 piece

Package Level 2 Width: 280 mm

Package Level 2 Length: 395 mm

Package Level 2 Height: 210 mm

Package Level 2 Gross Weight: 11.586 kg

Package Level 2 EAN: 4013614408960

Classifications

Object Classification Code: F

E-nummer: 3112122

ETIM 4: EC000074 - Motor protective circuit-breaker

ETIM 5: EC000074 - Motor protective circuit-breaker

ETIM 6: EC000074 - Motor protection circuit-breaker

ETIM 7: EC000074 - Motor protection circuit-breaker

eClass: 7.0 27370401

UNSPSC: 39121521