



**Electric Automation**  
Automation specialists

Reference: MS132-6.3  
Code: 1SAM350000R1009

MS132-6.3 Manual Motor Starter

[Buy it at Electric Automation Network](#)



The MS132-6.3 manual motor starter is a compact 45 mm width devices with a rated operational current of  $I_e = 6.3$  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.

### Ordering

EAN:	4013614400094
Minimum Order Quantity:	1 piece
Customs Tariff Number:	85362010

### Dimensions

Product Net Width:	45 mm
Product Net Height:	90 mm
Product Net Depth:	86.75 mm
Product Net Weight:	0.265 kg

## Container Information

Package Level 1 Units:	1 piece
Package Level 1 Width:	92 mm
Package Level 1 Height:	50 mm
Package Level 1 Length:	95 mm
Package Level 1 Gross Weight:	0.28 kg
Package Level 2 Units:	40 piece
Package Level 2 Width:	280 mm
Package Level 2 Height:	210 mm
Package Level 2 Length:	395 mm
Package Level 2 Gross Weight:	11.586 kg
Package Level 2 EAN:	4013614408991

## 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 2002/95/EC August 18, 2005 and amendment

## Technical UL/CSA

Maximum Operating Voltage UL/CSA:	Main Circuit 600 V AC
Ampere Rating UL/CSA:	6.3 A
Horsepower Rating UL/CSA:	(220 ... 240 V AC) Three Phase 1.5 Hp (440 ... 480 V AC) Three Phase 3 Hp (550 ... 600 V AC) Three Phase 5 Hp
General Use Rating UL/CSA:	(600 V AC) 6.3 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

## Additional Information

Actuator Type:	Rotary Handle
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Connecting Capacity-Main Circuit:	Flexible with Ferrule 1/2x 0.75 ... 2.5 mm <sup>2</sup> Flexible with Insulated Ferrule 1/2x 0.75 ... 2.5 mm <sup>2</sup> Flexible 1/2x 0.75 ... 2.5 mm <sup>2</sup> Rigid 1/2x 1 ... 4 mm <sup>2</sup>
Conventional Free-air Thermal Current (I <sub>th</sub> ):	Main Circuit 6.3 A
Degree of Protection:	IP20
Electrical Durability:	50000 cycle
IIT Publishing Status:	Level 0 - Information enabled
Mechanical Durability:	100000 cycle
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
Mounting Position:	Position 1 to 6
Number of Poles:	3
Number of Protected Poles:	3
Pollution Degree:	3
Power Loss:	at Rated Operating Conditions per Pole 0.7 ... 1.8 W
Product Main Type:	MS132
Product Name:	Manual Motor Starter
Rated Current (I <sub>n</sub> ):	6.3 A
Rated Frequency (f):	Main Circuit 50 Hz Main Circuit 60 Hz
Rated Impulse Withstand Voltage (U <sub>imp</sub> ):	Main Circuit 6 kV
Rated Instantaneous Short-Circuit Current Setting (I <sub>i</sub> ):	78.8 A
Rated Insulation Voltage (U <sub>i</sub> ):	690 V
Rated Operational Current (I <sub>e</sub> ):	6.3 A
Rated Operational Current AC-3 (I <sub>e</sub> ):	6.3 A
Rated Operational Current DC-5 (I <sub>e</sub> ):	6.3 A
Rated Operational Power AC-3 (P <sub>e</sub> ):	(400 V) Three Phase 2.2 kW
Rated Operational Voltage:	Main Circuit 690 V AC Main Circuit 250 V DC
Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> ):	(230 V AC) 100 kA (250 V DC) 3 Poles in Series 10 kA (400 V AC) 100 kA (440 V AC) 20 kA (500 V AC) 20 kA (690 V AC) 3 kA
Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> ):	(230 V AC) 100 kA (400 V AC) 100 kA (440 V AC) 20 kA (500 V AC) 20 kA (690 V AC) 3 kA
Rated Uninterrupted Current (I <sub>u</sub> ):	6.3 A
Recommended Screw Driver:	Pozidriv 2
RoHS Date:	0159

Setting Range:	4 ... 6.3 A
Standards:	IEC/EN 60947-1 IEC/EN 60947-2 IEC/EN 60947-4-1 UL 60947-1 UL 60947-4-1
Terminal Type:	Screw Terminals
Tightening Torque:	Main Circuit 0.8 ... 1.2 N·m
Wire Stripping Length:	Main Circuit 9 mm

## Certificates and Declarations (Document Number)

ABS Certificate:	1SAA963001-0101
ATEX Certificate:	1SAA963000-3901
BV Certificate:	1SAA963001-0201
CB Certificate:	1SAA963002-2001
CCC Certificate:	1SAA963001-3804
cUL Certificate:	cUL_E137861 cUL_E345003
Data Sheet, Technical Information:	2CDC131021D0201
Data Sheet, Technical Information (Part 2):	1SAM300505F0009
Data Sheet, Technical Information (Part 3):	1SAM300507F0001 1SAM300507F0003 1SAM300508F0001 1SAM300508F0003
Declaration of Conformity - CE:	1SAD938508-0125
DNV Certificate:	1SAA963001-0303
EAC Certificate:	1SAA963000-2701
GL Certificate:	1SAA963001-0401
GOST Certificate:	1SAA937000-2703
LR Certificate:	1SAA963001-0502
RINA Certificate:	1SAA963000-0802
RMRS Certificate:	1SAA918000-0703
RoHS Information:	1SAA963002-4405
UL Certificate:	UL_E137861 UL_E345003

## Classifications

eClass:	7.0 27370401
E-nummer:	3112125
ETIM 4:	EC000074 - Motor protective circuit-breaker
ETIM 5:	EC000074 - Motor protective circuit-breaker

Object Classification Code:	F
UNSPSC:	39121521