

## General Information

Extended Product Type:	MS325-0.63
Product ID:	1SAM150000R1004
EAN:	4013614195006
Catalog Description:	MS325-0.63 Manual Motor Starter
Long Description:	The MS325-0.63 manual motor starter is a 54 mm width devices with a rated operational current of $I_e = 0.63$ 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 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, signalling 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.

## 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

## Ordering

EAN:	4013614195006
Minimum Order Quantity:	1 piece
Customs Tariff Number:	85362010
Replacement Product ID (NEW):	<a href="#">1SAM350000R1004</a>

## Container Information

Package Level 1 Units:	1 piece
Package Level 1 Width:	92.0 mm
Package Level 1 Length:	58.0 mm
Package Level 1 Height:	78.0 mm
Package Level 1 Gross Weight:	0.310 kg

## Dimensions

Product Net Width:	54.0 mm
Product Net Height:	87.5 mm
Product Net Depth:	75.5 mm
Product Net Weight:	0.280 kg

## Technical

Rated Service Short-Circuit Breaking Capacity ( $I_{cs}$ ):	(230V AC) 100 kA (400V AC) 100 kA (440V AC) 100 kA (500V AC) 100 kA (690V AC) 100 kA
Rated Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ ):	(230V AC) 100 kA (400V AC) 100 kA (440V AC) 100 kA (500V AC) 100 kA (690V AC) 100 kA
Rated Instantaneous Short-Circuit Current Setting ( $I_i$ ):	6.14 A
Setting Range:	0.40 ... 0.63 A
Rated Operational Power AC-3 ( $P_e$ ):	(400V) 0.12 kW
Rated Operational Voltage ( $U_e$ ):	Main Circuit 690 V AC Main Circuit 440 V DC
Rated Operational Current ( $I_e$ ):	0.63 A
Rated Operational Current AC-3 ( $I_e$ ):	0.63 A
Rated Frequency ( $f_r$ ):	Main Circuit 50 / 60 Hz
Rated Impulse Withstand Voltage ( $U_{imp}$ ):	Main Circuit 6 kV
Rated Insulation Voltage ( $U_i$ ):	690 V
Power Loss:	Per Pole 0.8 ... 2.1 W
Number of Poles:	3
Conventional Free-air Thermal Current ( $I_{th}$ ):	Main Circuit 0.63 A
Isolating Function:	Yes

<b>Degree of Protection:</b>	IP20
<b>Pollution Degree:</b>	3
<b>Electrical Durability:</b>	50000 cycle
<b>Mechanical Durability ( ):</b>	100000 cycle
<b>Connecting Capacity-Main Circuit:</b>	Rigid 1/2x 1 ... 6 mm <sup>2</sup> Flexible with Ferrule 1/2x 0.75 ... 4 mm <sup>2</sup> Flexible with Insulated Ferrule 1/2x 0.75 ... 4 mm <sup>2</sup> Flexible 1/2x 1 ... 6 mm <sup>2</sup>
<b>Tightening Torques:</b>	Main Circuit 1.4 N·m
<b>Wire Stripping Length:</b>	Main Circuit 10 mm
<b>Recommended Screw Driver:</b>	Pozidriv 2 / M3.5
<b>Mounting Position:</b>	Position 1 to 6
<b>Actuator Type:</b>	Rotary Handle
<b>Contact Position Indication:</b>	ON / OFF
<b>Mounting on DIN Rail:</b>	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
<b>Standards:</b>	IEC/EN 60947-1 IEC/EN 60947-2 IEC/EN 60947-4-1 UL 60947-1 UL 60947-4-1

## Environmental

<b>Ambient Air Temperature:</b>	Operation -25 ... +50 °C Operation Compensated -25 ... +50 °C Storage -50 ... +80 °C Around the Enclosure 0 ... +40 °C
<b>Ambient Air Temperature Compensation:</b>	Yes
<b>Maximum Operating Altitude Permissible:</b>	2000 m
<b>Resistance to Shock acc. to IEC 60068-2-27:</b>	11 ms Pulse 150 m/s <sup>2</sup>
<b>Resistance to Vibrations acc. to IEC 60068-2-6:</b>	5g / 10 ... 150 Hz
<b>RoHS Status:</b>	Following EU Directive 2002/95/EC August 18, 2005 and amendment

## Technical UL/CSA

<b>Maximum Operating Voltage UL/CSA:</b>	Main Circuit 600 V AC
<b>Ampere Rating UL/CSA:</b>	0.63 A
<b>Connecting Capacity-Main Circuit UL/CSA:</b>	Stranded 1/2x 14 ... 8 AWG Flexible 1/2x 14 ... 8 AWG
<b>Tightening Torques UL/CSA:</b>	Main Circuit 14 in·lb

## Certificates and Declarations (Document Number)

<b>ATEX Certificate:</b>	<a href="#">1SAA918000-3903;</a>
<b>BV Certificate:</b>	<a href="#">1SAA918000-0204;</a>
<b>CB Certificate:</b>	<a href="#">1SAA918000-2002;</a>
<b>CCC Certificate:</b>	<a href="#">1SAA918000-3805;</a>
<b>cUL Certificate:</b>	<a href="#">cUL_E137861;</a> <a href="#">cUL_E345003;</a>
<b>cULus Certificate:</b>	E137861 E345003
<b>Declaration of Conformity - CE:</b>	<a href="#">1SAD938510-0003;</a>
<b>DNV Certificate:</b>	<a href="#">1SAA918000-0305;</a>
<b>GL Certificate:</b>	<a href="#">1SAA918000-0403;</a>
<b>GOST Certificate:</b>	<a href="#">1SAA918000-2703;</a>
<b>LR Certificate:</b>	<a href="#">1SAA918000-0503;</a>
<b>PTB Certificate:</b>	<a href="#">1SAA918000-1401;</a>
<b>RINA Certificate:</b>	<a href="#">1SAA918000-0803;</a>
<b>RMRS Certificate:</b>	<a href="#">1SAA918000-0703;</a>
<b>UL Certificate:</b>	<a href="#">UL_E137861;</a> <a href="#">UL_E345003;</a>

## Classifications

<b>Object Classification Code:</b>	F
<b>UNSPSC:</b>	39121521

