

Extended Product Type:	MS325-12.5
Product ID:	1SAM150000R1011
EAN:	4013614194368
Catalog Description:	MS325-12.5 Manual Motor Starter
Long Description:	The MS325-12.5 manual motor starter is a 54 mm width devices with a rated operational current of le = 12.5 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 lcs = 75 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:	4013614194368
Minimum Order Quantity:	1 piece
Customs Tariff Number:	85362010
Replacement Product ID (NEW):	1SAM350000R1012
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:	0.370 kg
Dimensions	
Product Net Width:	54.0 mm
Product Net Height:	87.5 mm
Product Net Depth: Product Net Weight:	75.5 mm 0.340 kg
Floduct net weight.	U.040 Kg
Technical	
Rated Service Short-Circuit	(230V AC) 100 kA
Breaking Capacity (I <sub>cs</sub> ):	(400V AC) 75 kA (440V AC) 45 kA
	(500V AC) 27 kA (690V AC) 4.5 kA
Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> ):	(230V AC) 100 kA (400V AC) 75 kA
	(440V AC) 45 kA
	(500V AC) 27 kA
Bata dila dan tanàna amin' Okara Okara di	(690V AC) 4.5 kA
Rated Instantaneous Short-Circuit Current Setting (I <sub>i</sub> ):	180 A
Setting Range:	9.00 12.5 A
Rated Operational Power AC-3 (Pe):	(400V) 5.5 kW
Rated Operational Voltage (U <sub>e</sub> ):	Main Circuit 690 V AC Main Circuit 440 V DC
Rated Operational Current (Ie):	12.5 A
Rated Operational Current AC-3 (Ie):	12.5 A
Rated Frequency (f <sub>r</sub> ):	Main Circuit 50 / 60 Hz
Rated Impulse Withstand Voltage (U <sub>imp</sub> ):	Main Circuit 6 kV
Rated Insulation Voltage (U <sub>i</sub> ):	690 V
Power Loss:	Per Pole 1.0 1.8 W
Number of Poles:	3
Conventional Free-air Thermal Current (I <sub>th</sub> ):	Main Circuit 12.5 A
	Yes
Isolating Function:	

De surs e les Duche et aux	
Degree of Protection:	IP20 3
Pollution Degree: Electrical Durability:	3 50000 cycle
Mechanical Durability (	100000 cycle
): Connecting Capacity-Main Circuit:	Divid 1/0x 1 6 mm <sup>2</sup>
Connecting Capacity-Marrie Circuit:	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>
Tightening Torques:	Main Circuit 1.4 N·m
Wire Stripping Length:	Main Circuit 10 mm
Recommended Screw Driver:	Pozidriv 2 / M3.5
Mounting Position:	Position 1 to 6
Actuator Type:	Rotary Handle
Contact Position Indication:	
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:	Operation -25 +50 °C Operation Compensated -25 +50 °C Storage -50+80 °C Around the Enclosure 0 +40 °C
Ambient Air Temperature Compensation:	Yes
Maximum Operating Altitude Permissible:	2000 m
Resistance to Shock acc. to IEC 60068-2-27:	11 ms Pulse 150 m/s <sup>2</sup>
Resistance to Vibrations acc. to IEC 60068-2-6:	5g / 10 150 Hz
RoHS Status:	Following EU Directive 2002/95/EC August 18, 2005 and amendment
	r orowing 20 Directive 2002 00 20 ragast ro, 2000 and amenamonic
Fechnical UL/CSA	Main Circuit 600 V AC
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Technical UL/CSA	
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Technical UL/CSA Maximum Operating Voltage UL/CSA: Horse Power Rating UL/CSA: Ampere Rating UL/CSA:	Main Circuit 600 V AC 220 240V AC Three Phase 3 Hp 440 480V AC Three Phase 7.5 Hp 550 600V AC Three Phase 10 Hp
Technical UL/CSA Maximum Operating Voltage UL/CSA: Horse Power Rating UL/CSA: Ampere Rating UL/CSA: Connecting Capacity-Main Circuit UL/CSA:	Main Circuit 600 V AC 220 240V AC Three Phase 3 Hp 440 480V AC Three Phase 7.5 Hp 550 600V AC Three Phase 10 Hp 12.5 A Stranded 1/2x 14 8 AWG
Technical UL/CSA Maximum Operating Voltage UL/CSA: Horse Power Rating UL/CSA: Ampere Rating UL/CSA: Connecting Capacity-Main Circuit UL/CSA: Tightening Torques UL/CSA:	Main Circuit 600 V AC 220 240V AC Three Phase 3 Hp 440 480V AC Three Phase 7.5 Hp 550 600V AC Three Phase 10 Hp 12.5 A Stranded 1/2x 14 8 AWG Flexible 1/2x 14 8 AWG Main Circuit 14 in·lb
Fechnical UL/CSA   Maximum Operating Voltage   UL/CSA:   Horse Power Rating UL/CSA:   Ampere Rating UL/CSA:   Connecting Capacity-Main Circuit   UL/CSA:   Tightening Torques UL/CSA:   Certificates and Declarations (Declaration)	Main Circuit 600 V AC 220 240V AC Three Phase 3 Hp 440 480V AC Three Phase 7.5 Hp 550 600V AC Three Phase 10 Hp 12.5 A Stranded 1/2x 14 8 AWG Flexible 1/2x 14 8 AWG Main Circuit 14 in·lb boument Number)
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Technical UL/CSA Maximum Operating Voltage UL/CSA: Horse Power Rating UL/CSA: Ampere Rating UL/CSA: Connecting Capacity-Main Circuit UL/CSA: Tightening Torques UL/CSA: Certificates and Declarations (Do ATEX Certificate: BV Certificate: CB Certificate:	Main Circuit 600 V AC   220 240V AC Three Phase 3 Hp   440 480V AC Three Phase 7.5 Hp   550 600V AC Three Phase 10 Hp   12.5 A   Stranded 1/2x 14 8 AWG   Flexible 1/2x 14 8 AWG   Main Circuit 14 in·lb   Dcument Number)   1SAA918000-3903;   1SAA918000-0204;
Technical UL/CSA Maximum Operating Voltage UL/CSA: Horse Power Rating UL/CSA: Ampere Rating UL/CSA: Connecting Capacity-Main Circuit UL/CSA: Tightening Torques UL/CSA: Certificates and Declarations (Do ATEX Certificate: BV Certificate: CB Certificate: CCC Certificate:	Main Circuit 600 V AC   220 240V AC Three Phase 3 Hp   440 480V AC Three Phase 7.5 Hp   550 600V AC Three Phase 10 Hp   12.5 A   Stranded 1/2x 14 8 AWG   Flexible 1/2x 14 8 AWG   Main Circuit 14 in lb   Document Number)   1SAA918000-3903;   1SAA918000-2002;
Technical UL/CSA Maximum Operating Voltage UL/CSA: Horse Power Rating UL/CSA: Ampere Rating UL/CSA: Connecting Capacity-Main Circuit UL/CSA: Tightening Torques UL/CSA: Certificates and Declarations (Do ATEX Certificate: BV Certificate: CB Certificate: CCC Certificate: cUL Certificate:	Main Circuit 600 V AC   220 240V AC Three Phase 3 Hp   440 480V AC Three Phase 7.5 Hp   550 600V AC Three Phase 10 Hp   12.5 A   Stranded 1/2x 14 8 AWG   Flexible 1/2x 14 8 AWG   Main Circuit 14 in lb   Decument Number)   1SAA918000-3903;   1SAA918000-2004;   1SAA918000-2002;   1SAA918000-3805;   cUL_E137861;
Fechnical UL/CSA   Maximum Operating Voltage   UL/CSA:   Horse Power Rating UL/CSA:   Ampere Rating UL/CSA:   Connecting Capacity-Main Circuit   UL/CSA:   Tightening Torques UL/CSA:   Certificates and Declarations (Doc   ATEX Certificate:   BV Certificate:   CCC Certificate:   CUL Certificate:   cUL Certificate:   cultus Certificate:   Declaration of Conformity - CE:	Main Circuit 600 V AC   220 240V AC Three Phase 3 Hp   440 480V AC Three Phase 7.5 Hp   550 600V AC Three Phase 10 Hp   12.5 A   Stranded 1/2x 14 8 AWG   Flexible 1/2x 14 8 AWG   Main Circuit 14 in lb   Document Number)   1SAA918000-3903;   1SAA918000-2002;   1SAA918000-3805;   CUL_E137861;   CUL_E345003;   E137861   E345003   1SAD938510-0003;
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