MS325-2.5

General Information

Extended Product Type:	MS325-2.5
Product ID:	1SAM150000R1007
EAN:	4013614195037
Catalog Description:	MS325-2.5 Manual Motor Starter
Long Description:	The MS325-2.5 manual motor starter is a 54 mm width devices with a rated operational current of Ie = 2.5 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 Ics = 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:	4013614195037
Minimum Order Quantity:	1 piece
Customs Tariff Number:	85362010
Replacement Product ID (NEW):	1SAM350000R1007

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:	75.5 mm
Product Net Weight:	0.340 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) 40 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) 40 kA
Rated Instantaneous Short-Circuit Current Setting (I_i):	28.75 A
Setting Range:	1.60 ... 2.50 A
Rated Operational Power AC-3 (P_e):	(400V) 0.75 kW
Rated Operational Voltage (U_e):	Main Circuit 690 V AC Main Circuit 440 V DC
Rated Operational Current (I_e):	2.50 A
Rated Operational Current AC-3 (I_e):	2.50 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 0.9 ... 2.1 W
Number of Poles:	3
Conventional Free-air Thermal Current (I_{th}):	Main Circuit 2.50 A
Isolating Function:	Yes

Degree of Protection:	IP20
Pollution Degree:	3
Electrical Durability:	50000 cycle
Mechanical Durability ( ):	100000 cycle
Connecting Capacity-Main Circuit:	Rigid 1/2x 1 ... 6 mm² Flexible with Ferrule 1/2x 0.75 ... 4 mm² Flexible with Insulated Ferrule 1/2x 0.75 ... 4 mm² Flexible 1/2x 1 ... 6 mm²
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:	ON / OFF
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/s²
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

Technical UL/CSA

Maximum Operating Voltage UL/CSA:	Main Circuit 600 V AC
Horse Power Rating UL/CSA:	220 ... 240V AC Three Phase 0.5 Hp 440 ... 480V AC Three Phase 1 Hp 550 ... 600V AC Three Phase 1.5 Hp
Ampere Rating UL/CSA:	2.50 A
Connecting Capacity-Main Circuit UL/CSA:	Stranded 1/2x 14 ... 8 AWG Flexible 1/2x 14 ... 8 AWG
Tightening Torques UL/CSA:	Main Circuit 14 in·lb

Certificates and Declarations (Document Number)

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

Classifications

Object Classification Code:	F
UNSPSC:	39121521