

MS325-1.6



MS325-1.6 Manual Motor Starter

General Information

Extended Product Type	MS325-1.6
Product ID	1SAM150000R1006
EAN	4013614195020
Catalog Description	MS325-1.6 Manual Motor Starter
Long Description	<p>The MS325-1.6 manual motor starter is a 54 mm width devices with a rated operational current of $I_e = 1.6$ 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.</p>

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85362010
Replacement Product ID (NEW)	1SAM350000R1006

Popular Downloads

Data Sheet, Technical Information	2CDC131046D0201
Data Sheet, Technical Information (Part 2)	1SAM100513F0006
Instructions and Manuals	2CDC131005M5703

Dimensions

Product Net Width	54 mm
Product Net Height	87.5 mm
Product Net Depth / Length	75.5 mm
Product Net Weight	0.34 kg

Technical

Rated Service Short-Circuit Breaking Capacity (I_{cs})	(230 V AC) 100 kA (400 V AC) 100 kA (440 V AC) 100 kA (500 V AC) 100 kA
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	(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)	18.4 A
Setting Range	1.0 ... 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 440 V DC
Rated Operational Current (I_e)	1.6 A
Rated Operational Current AC-3 (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 0.8 ... 2.1 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 IP20
Pollution Degree	3
Electrical Durability	50000 cycle
Mechanical Durability	100000 cycle
Connecting Capacity Main Circuit	Flexible with Ferrule 1/2x 0.75 ... 4 mm ² Flexible with Insulated Ferrule 1/2x 0.75 ... 4 mm ² Flexible 1/2x 1 ... 6 mm ² Rigid 1/2x 1 ... 6 mm ²
Tightening Torque	Main Circuit 1.4 N·m
Wire Stripping Length	Auxiliary Circuit 8 mm Main Circuit 10 mm
Recommended Screw Driver	M3.5 Pozidriv 2
Mounting Position	Position 1 to 6
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
Actuator Type	Rotary Handle
Contact Position Indication	ON / OFF
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 ... +50 °C Operation Compensated -25 ... +50 °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 15g
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
Ampere Rating UL/CSA	1.6 A
Horsepower Rating UL/CSA	(440 ... 480 V AC) Three Phase 0.75 Hp (550 ... 600 V AC) Three Phase 0.75 Hp
Connecting Capacity Main Circuit UL/CSA	Flexible 1/2x 14-8 AWG Stranded 1/2x 14-8 AWG
Tightening Torque UL/CSA	Auxiliary Circuit 7 in-lb Main Circuit 14 in-lb

Certificates and Declarations (Document Number)

ATEX Certificate	1SAA918000-3903
BV Certificate	1SAA918000-0205
CB Certificate	1SAA918000-2003
CCC Certificate	1SAA918000-3806
cUL Certificate	cUL_E137861 cUL_E345003
Declaration of Conformity - CE	1SAD938514-0003
DNV Certificate	1SAA918000-0305
Environmental Information	1SAA918000-2702
GL Certificate	1SAA918000-0403
GOST Certificate	1SAA918000-2703
Instructions and Manuals	2CDC131005M5703
LR Certificate	1SAA918000-0504
RINA Certificate	1SAA918000-0803
RMRS Certificate	1SAA918000-0704
RoHS Information	1SAD938514-0003
UL Certificate	UL_E137861 UL_E345003

Container Information

Package Level 1 Units	1 piece
Package Level 1 Width	92 mm
Package Level 1 Depth / Length	58 mm
Package Level 1 Height	78 mm
Package Level 1 Gross Weight	0.37 kg
Package Level 1 EAN	4013614195020
Package Level 2 Units	24 piece
Package Level 2 Width	280 mm
Package Level 2 Depth / Length	395 mm
Package Level 2 Height	210 mm
Package Level 2 Gross Weight	0.61 kg
Package Level 2 EAN	4013614494444

Classifications

Object Classification Code	F
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

Categories

Low Voltage Products and Systems → Circuit Breakers → Manual Motor Starters

Low Voltage Products and Systems → Control Products → Manual Motor Starters → Manual Motor Starters

