



 PRODUCT-DETAILS

MS325-1

MS325-1 Manual Motor Starter 0.63 ... 1.0 A



General Information

Extended Product Type:	MS325-1
Product ID:	1SAM150000R1005
EAN:	4013614195013
Catalog Description:	MS325-1 Manual Motor Starter 0.63 ... 1.0 A
Long Description:	The MS325-1 manual motor starter is a 54 mm width devices with a rated operational current of $I_e = 1.0$ 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.
Display Name:	MS325-1

Ordering

Minimum Order Quantity:	1 piece
Customs Tariff Number:	85362010

Replacement Product ID (NEW): 1SAM350000R1005

Popular Downloads

Data Sheet, Technical Information:	2CDC131046D0201
Instructions and Manuals:	2CDC131089M6801
Time-Current Characteristic Curve:	1SAM100513F0005

Dimensions

Product Net Width:	54 mm
Product Net Height:	87.5 mm
Product Net Depth / Length:	75.5 mm
Product Net Weight:	0.31 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
(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): 11.5 A

Setting Range: 0.63 ... 1.0 A

Rated Operational Power AC-3 (P_e): (400 V) Three Phase 0.25 kW

Rated Operational Voltage: Main Circuit 690 V AC
Main Circuit 440 V DC

Rated Operational Current (I_e): 1 A

Rated Operational Current AC-3 (I_e): 1 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: 3P

Conventional Free-air Thermal Current (I_{th}): Main Circuit 1 A

Degree of Protection: Housing IP20
Main Circuit Terminals IP20

Pollution Degree: 3

Electrical Durability: 50000 cycle

Mechanical Durability:	Nr. Operations 100000 cycle
Terminal Type:	Screw Terminals
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:	1 ... 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

Technical UL/CSA

Maximum Operating Voltage UL/CSA:	Main Circuit 600 V AC
Horsepower Rating UL/CSA:	(440 ... 480 V AC) Three Phase 0.5 Hp (550 ... 600 V AC) Three Phase 0.5 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

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:	5g 10 ... 150 Hz

Material Compliance

Conflict Minerals Reporting Template (CMRT):	9AKK108467A5658
REACH Declaration:	1SAA960005-4502

RoHS Declaration:	1SAA963006-4502
RoHS Information:	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
Toxic Substances Control Act - TSCA:	2CMT2023-006539
WEEE B2C / B2B:	Business To Business
WEEE Category:	5. Small Equipment (No External Dimension More Than 50 cm)

Certificates and Declarations

ATEX Certificate:	1SAA918000-3903
BV Certificate:	1SAA918000-0205
CB Certificate:	1SAA918000-2003
CCC Certificate:	2024010307659819
CQC Certificate:	CQC2017010307033534
cUL Certificate:	cUL_E137861 cUL_E345003
Declaration of Conformity - CCC:	2020980307003580
Declaration of Conformity - CE:	1SAD101100-3412
Declaration of Conformity - UKCA:	1SAD201100-3412
DNV Certificate:	1SAA918000-0306
GL Certificate:	1SAA918000-0403
LR Certificate:	1SAA918000-0504
RINA Certificate:	1SAA918000-0804
RMRS Certificate:	1SAA918000-0704
UL Certificate:	UL_E137861 UL_E345003

Container Information

Package Level 1 Units:	box 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:	0.34 kg
Package Level 1 EAN:	4013614195013
Package Level 2 Units:	carton 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:	7.46 kg
Package Level 2 EAN:	4013614494437

External Classifications and Standards

Object Classification Code:	F
ETIM 9:	EC000074 - Motor protection circuit-breaker
ETIM 10:	EC000074 - Motor protection circuit-breaker
eClass:	V11.0 : 27370401
UNSPSC:	39121521
IDEA Granular Category Code (IGCC):	4731 >> Manual Starters
E-Number (Finland):	3707055

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

Parts & Services > Drives > Services > Spares and Consumables > Parts

