

PRODUCT-DETAILS

MO325-20

MO325-20 Manual Motor Starter Magnetic Only



General Information

Extended Product Type	MO325-20
Product ID	1SAM160000R1013
EAN	4013614302091
Catalog Description	MO325-20 Manual Motor Starter Magnetic Only

Long Description

The MO325-20 manual motor starter magnetic only is a 54 mm width device with a rated operational current of $I_e = 20.0$ 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. The manual motor starter magnetic only offers a rated service short-circuit breaking capacity $I_{cs} = 55$ kA at 400 VAC. Further features are the build-in disconnect function, trip-free mechanism and a rotary handle with a clear switch position indication. The manual motor starter magnetic only is suitable for three- and single-phase applications. Auxiliary contacts, signalling contacts, undervoltage releases, shunt trips, 3-phase bus bars, power in-feed blocks are available as accessory.

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85362010
Replacement Product ID (NEW)	1SAM360000R1013

Popular Downloads

Data Sheet, Technical Information	2CDC131047D0201
Instructions and	2CDC131089M6801

Manuals

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) 55 kA (440 V AC) 35 kA (500 V AC) 22 kA (690 V AC) 3.5 kA
Rated Ultimate Short-Circuit Breaking Capacity (I_{cu})	(230 V AC) 100 kA (400 V AC) 55 kA (440 V AC) 35 kA (500 V AC) 22 kA (690 V AC) 3.5 kA
Rated Instantaneous Short-Circuit Current Setting (I_i)	300 A
Setting Range	None
Rated Operational Power AC-3 (P_e)	(400 V) Three Phase 9 kW
Rated Operational Voltage	Main Circuit 690 V AC Main Circuit 440 V DC
Rated Operational Current (I_e)	20 A
Rated Operational Current AC-3 (I_e)	20 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 1.6 W
Number of Poles	3
Conventional Free-air Thermal Current (I_{th})	Main Circuit 20 A
Degree of Protection	Housing IP20 Main Circuit Terminals IP20
Pollution Degree	3
Electrical Durability	50000 cycle
Mechanical Durability	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	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	CSA 22.2 No. 14 IEC/EN 60947-1 IEC/EN 60947-2 IEC/EN 60947-4-1 UL 508
Remarks	For overload protection of the motors, an appropriate thermal or electronic overload relays must be used

Technical UL/CSA

Maximum Operating Voltage UL/CSA	Main Circuit 600 V AC
Ampere Rating UL/CSA	20 A
Horsepower Rating UL/CSA	(220 ... 240 V AC) Three Phase 5 Hp (440 ... 480 V AC) Three Phase 10 Hp (550 ... 600 V AC) Three Phase 15 Hp
Connecting Capacity Main Circuit UL/CSA	Flexible 1/2x 14-8 AWG Stranded 1/2x 14-8 AWG
Tightening Torque UL/CSA	Main Circuit 14 in-lb

Environmental

Ambient Air Temperature	Around the Enclosure 0 ... +40 °C Operation -25 ... +50 °C Storage -50 ... +80 °C
Ambient Air Temperature Compensation	No
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 2011/65/EU

Certificates and Declarations (Document Number)

CB Certificate	1SAA918000-2003
CCC Certificate	1SAA918000-3807
cUL Certificate	cUL_E137861
cULus Certificate	E137861
Declaration of Conformity - CE	1SAD938510-0037
DNV Certificate	1SAA918000-0306
GL Certificate	1SAA918000-0403
GOST Certificate	1SAA918000-2703
Instructions and Manuals	2CDC131089M6801
LR Certificate	1SAA918000-0504
RINA Certificate	1SAA918000-0803
RMRS Certificate	1SAA918000-0704
RoHS Information	1SAD938507-0037
UL Certificate	UL_E137861

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	0.37 kg
Package Level 1 EAN	4013614302091
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	8.9 kg
Package Level 2 EAN	4013614495052

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
IDEA Granular Category Code (IGCC)	4845 >> 3 Pole Motor Circuit Protector Circuit Breakers

Categories

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

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

