Automatización Eléctrica

Especialistas en Automatización

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MO132-16

General Information

Extended Product Type:	MO132-16
Product ID:	1SAM360000R1011
EAN:	4013614400261
Catalog Description:	MO132-16 Manual Motor Starter Magnetic Only
Long Description:	The MO132-16 manual motor starter mangnetic only is a compact 45 mm width devices with a rated operational current of Ie = 16.0 A. This device is used to manually switch on and off loads/motors and to protect them reliably and without the need for a fuse from short-circuits. The manual motor starter offers a rated service short-circuit breaking capacity Ics = 50 kA at 400 VAC. A combination together with overload relays or motor controllers allows the protection of motors. 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 mangnetic only is suitable for three- and single-phase applications. The handle is lockable to protect against unauthorized changes. Auxiliary contacts, signalling contacts, undervoltage releases, shunt trips, 3-phase bus bars, power in-feed blocks 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:	4013614400261
Minimum Order Quantity:	1 piece
Customs Tariff Number:	85362010

Dimensions

Product Net Width:	45 mm
Product Net Height:	97.8 mm
Product Net Depth:	86.55 mm
Product Net Weight:	0.31 kg

Container Information

Package Level 1 Units:	1 piece
Package Level 1 Width:	92 mm
Package Level 1 Height:	50 mm
Package Level 1 Length:	102 mm
Package Level 1 Gross Weight:	0.325 kg
Package Level 2 Units:	40 piece
Package Level 2 Width:	280 mm
Package Level 2 Height:	210 mm
Package Level 2 Length:	395 mm
Package Level 2 Gross Weight:	13.386 kg
Package Level 2 EAN:	4013614443718

Environmental

Ambient Air Temperature:	Around the Enclosure 0 ... +40 °C Operation -25 ... +60 °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 25g
Resistance to Vibrations acc. to IEC 60068-2-6:	5g / 3 ... 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:	16 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 10 Hp
General Use Rating UL/CSA:	(600 V AC) 16 A
Connecting Capacity Main Circuit UL/CSA:	Flexible 1/2x 16 ... 8 AWG Stranded 1/2x 16 ... 8 AWG
Tightening Torque UL/CSA:	Main Circuit 18 in·lb

Additional Information

Actuator Type:	Rotary Handle
Connecting Capacity-Main Circuit:	Flexible with Ferrule 1/2x 0.75 ... 6 mm² Flexible with Insulated Ferrule 1/2x 0.75 ... 6 mm² Flexible 1/2x 1 ... 2.5 mm² Flexible 1/2x 2.5 ... 6 mm² Rigid 1/2x 1 ... 2.5 mm² Rigid 1/2x 2.5 ... 6 mm²
Conventional Free-air Thermal Current (I_{th}):	Main Circuit 16 A
Degree of Protection:	IP20
Electrical Durability:	50000 cycle
Mechanical Durability:	100000 cycle
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
Mounting Position:	Position 1 to 6
Number of Poles:	3
Number of Protected Poles:	3
Pollution Degree:	3
Power Loss:	at Rated Operating Conditions per Pole 1.9 W
Product Main Type:	MO132
Product Name:	Manual Motor Starter Magnetic Only
Rated Current (I_n):	16 A
Rated Frequency (f):	Main Circuit 50 Hz Main Circuit 60 Hz
Rated Impulse Withstand Voltage (U_{imp}):	Main Circuit 6 kV
Rated Instantaneous Short-Circuit Current Setting (I_i):	200 A
Rated Insulation Voltage (U_i):	690 V
Rated Operational Current (I_e):	16 A
Rated Operational Current AC-3 (I_e):	16 A
Rated Operational Power AC-3 (P_e):	(400 V) Three Phase 7.5 kW
Rated Operational Voltage:	Main Circuit 690 V AC
Rated Service Short-Circuit Breaking Capacity (I_{cs}):	(230 V AC) 50 kA (400 V AC) 50 kA (440 V AC) 20 kA (500 V AC) 20 kA (690 V AC) 3 kA
Rated Ultimate Short-Circuit Breaking Capacity (I_{cu}):	(230 V AC) 50 kA (400 V AC) 50 kA (440 V AC) 20 kA (500 V AC) 20 kA (690 V AC) 3 kA
Rated Uninterrupted Current (I_u):	16 A
Recommended Screw Driver:	Pozidriv 2
Remarks:	For overload protection of the motors, an appropriate thermal or electronic overload relays must be used
RoHS Date:	0159
Setting Range:	None
Standards:	IEC/EN 60947-1 IEC/EN 60947-2 IEC/EN 60947-4-1 UL 60947-1 UL 60947-4-1
Terminal Type:	Screw Terminals
Tightening Torque:	Main Circuit 1.5 N·m
Wire Stripping Length:	Main Circuit 10 mm

Certificates and Declarations (Document Number)

ABS Certificate:	1SAA963001-0101
BV Certificate:	1SAA963001-0201

CB Certificate:	1SAA963002-2001
CCC Certificate:	1SAA963001-3804
cUL Certificate:	cUL_E137861 cUL_E345003
Data Sheet, Technical Information:	2CDC131035D0201
Data Sheet, Technical Information (Part 2):	1SAM300515F0008
Declaration of Conformity - CE:	1SAD938503-0183
DNV Certificate:	1SAA963001-0302
EAC Certificate:	1SAA963000-2701
GL Certificate:	1SAA963001-0401
GOST Certificate:	1SAA937000-2703
LR Certificate:	1SAA963001-0502
RINA Certificate:	1SAA963000-0802
RMRS Certificate:	1SAA918000-0703
RoHS Information:	1SAA963002-4405
UL Certificate:	UL_E137861 UL_E345003

Classifications

eClass:	7.0 27370401
ETIM 4:	EC000074 - Motor protective circuit-breaker
ETIM 5:	EC000074 - Motor protective circuit-breaker
Object Classification Code:	F
UNSPSC:	39121521

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Product	Code	Reference	Product link
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