

MO165-42



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→ Manual Motor Starters

General Information

Extended Product Type:	MO165-42
Product ID:	1SAM461000R1015
EAN:	4013614486166
Catalog Description:	MO165-42 Manual Motor Starter Magnetic Only
Long Description:	MO165-42 Manual motor starter Magnetic only, 42 A

Ordering

Minimum Order Quantity:	1 piece
Customs Tariff Number:	85362010

Popular Downloads

Data Sheet, Technical Information:	2CDC131084D0201
Data Sheet, Technical Information (Part 2):	1SAM400506F0001 1SAM400507F0001
Instructions and Manuals:	2CDC131082M6801
Dimension Diagram:	1SAM400402F0001

Dimensions

Product Net Width:	55 mm
Product Net Height:	142.65 mm
Product Net Depth:	122.1 mm
Product Net Weight:	0.97 kg

Technical

Rated Service Short-Circuit Breaking Capacity (I_{cs}):	(230 V AC) 50 kA (250 V DC) 3 Poles in Series 100 kA (400 V AC) 50 kA (440 V AC) 50 kA (500 V AC) 30 kA (690 V AC) 10 kA
Rated Ultimate Short-Circuit Breaking Capacity (I_{cu}):	(230 V AC) 50 kA (250 V DC) 100 kA (400 V AC) 50 kA (440 V AC) 50 kA (500 V AC) 30 kA (690 V AC) 10 kA

Rated Instantaneous Short-Circuit Current Setting (I_i):	630 A
Setting Range:	None
Rated Operational Power AC-3 (P_e):	(400 V) Three Phase 22 kW
Rated Operational Voltage:	Main Circuit 690 V AC Main Circuit 250 V DC
Rated Operational Current (I_e):	42 A
Rated Operational Current AC-3 (I_e):	42 A
Rated Operational Current DC-5 (I_e):	42 A
Rated Frequency (f):	Main Circuit 50 Hz Main Circuit 60 Hz
Rated Impulse Withstand Voltage (U_{imp}):	Main Circuit 8 kV
Rated Insulation Voltage (U_i):	1000 V
Power Loss:	5.47 W
Number of Poles:	3
Conventional Free-air Thermal Current (I_{th}):	Main Circuit 42 A
Degree of Protection:	Housing IP20 Main Circuit Terminals IP10
Pollution Degree:	3
Electrical Durability:	25000 cycle
Mechanical Durability:	50000 cycle
Terminal Type:	Screw Terminals
Connecting Capacity Main Circuit:	Flexible with Ferrule 1/2x 1 ... 35 mm ² Flexible with Insulated Ferrule 1/2x 1 ... 35 mm ² Flexible 1/2x 1 ... 35 mm ² Rigid 1/2x 1 ... 4 mm ² Solid 1/2x 1 ... 4 mm ² Stranded 1/2x 1 ... 50 mm ²
Tightening Torque:	Main Circuit 4 N·m
Wire Stripping Length:	Main Circuit 16 mm
Recommended Screw Driver:	Pozidriv 2
Mounting Position:	Position 1 to 6
Actuator Type:	Rotary Handle
Contact Position Indication:	ON / OFF / TRIP
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 60947-4-1
CSA 22.2 No. 14

Remarks: For overload protection of the motors, an appropriate thermal or electronic overload relays must be used

Environmental

Ambient Air Temperature: Operation -25 ... +60 °C
Operation Compensated -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 2011/65/EU

Technical UL/CSA

Maximum Operating Voltage UL/CSA: Main Circuit 600 V AC

Horsepower Rating UL/CSA: (200 V AC) Three Phase 10 Hp
(208 V AC) Three Phase 10 Hp
(220 ... 240 V AC) Three Phase 15 Hp
(440 ... 480 V AC) Three Phase 30 Hp
(550 ... 600 V AC) Three Phase 40 Hp

Ampere Rating UL/CSA: 42 A

General Use Rating UL/CSA: (600 V AC) 42 A

Connecting Capacity Main Circuit UL/CSA: Flexible 1/2x 16-0 AWG
Stranded 1/2x 16-0 AWG

Tightening Torque UL/CSA: Main Circuit 35 in·lb

Certificates and Declarations (Document Number)

ABS Certificate: 1SAA963002-0101

BV Certificate: 1SAA963002-0201

CB Certificate: 1SAA918002-2002

CCC Certificate: 1SAA918004-3801

Declaration of Conformity - CE: 1SAD938502-0191

DNV GL Certificate: 1SAA963002-0301

EAC Certificate:	1SAA963002-2701
Instructions and Manuals:	2CDC131082M6801
LR Certificate:	1SAA918001-0501
RMRS Certificate:	1SAA918000-0704
RoHS Information:	1SAD938502-0191
UL Certificate:	cUL_E137861 UL_E137861 cUL_E345003 UL_345003

Container Information

Package Level 1 Units:	1 piece
Package Level 1 Width:	78 mm
Package Level 1 Length:	155 mm
Package Level 1 Height:	155 mm
Package Level 1 Gross Weight:	1.1 kg
Package Level 1 EAN:	4013614486166
Package Level 2 Units:	12 piece
Package Level 2 Width:	330 mm
Package Level 2 Length:	400 mm
Package Level 2 Height:	320 mm
Package Level 2 Gross Weight:	13 kg
Package Level 2 EAN:	4013614504020

Classifications

Object Classification Code:	F
E-nummer:	3110142
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

