

Products Low Voltage Products and Systems Circuit Breakers Manual Motor Starters

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General Information

Extended Product Type:	MO165-16
Product ID:	1SAM461000R1011
EAN:	4013614486128
Catalog Description:	MO165-16 Manual Motor Starter Magnetic Only
Long Description:	MO165-16 Manual motor starter Magnetic only 16 A

Additional Information

ABS Certificate:	1SAA963002-0101
Actuator Type:	Rotary Handle
Ambient Air Temperature:	Operation -25 ... +60 °C Operation Compensated -25 ... +60 °C Storage -50 ... +80 °C
Ambient Air Temperature Compensation:	No
Ampere Rating UL/CSA:	16 A
BV Certificate:	1SAA963002-0201
CB Certificate:	1SAA918002-2001
CCC Certificate:	1SAA918004-3801
Connecting Capacity Main Circuit UL/CSA:	Flexible 1/2x 16-0 AWG Stranded 1/2x 16-0 AWG
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 ... 50 mm ² Solid 1/2x 1 ... 50 mm ²
Contact Position Indication:	ON / OFF / TRIP
Conventional Free-air Thermal Current (I_{th}):	Main Circuit 16 A
Country of Origin:	China (CN)
Customs Tariff Number:	85362010
Data Sheet, Technical Information:	2CDC131084D0201
Data Sheet, Technical Information (Part 2):	1SAM400506F0001 1SAM400507F0001
Declaration of Conformity - CE:	1SAD938501-0191
Degree of Protection:	Housing IP20 Main Circuit Terminals IP10
Dimension Diagram:	1SAM400402F0001
E-number:	3110058
EAC Certificate:	1SAA963002-2701
EAN:	4013614486128
EPLAN Catalog Tree:	Electrical engineering / Protection devices / Motor overload switch
EPLAN Function Definition:	Motor overload switch / Motor overload switch, 6 connection points / Motor overload switch thr ee-pole 1_2_3_4_5_6
ETIM 5:	EC000074 - Motor protective circuit-breaker
ETIM 6:	EC000074 - Motor protection circuit-breaker
Electrical Durability:	25000 cycle
Frequency (f):	0 ... 400 Hz

General Use Rating UL/CSA:	(600 V AC) 16 A
Horsepower Rating UL/CSA:	(200 V AC) Three Phase 3 Hp (208 V AC) Three Phase 3 Hp (220 ... 240 V AC) Three Phase 5 Hp (440 ... 480 V AC) Three Phase 10 Hp (550 ... 600 V AC) Three Phase 10 Hp
Instructions and Manuals:	2CDC131082M6801
Invoice Description:	MO165-16 Manual motor starter Magnetic only; 16 A
LR Certificate:	1SAA918001-0501
Maximum Operating Altitude Permissible:	2000 m
Maximum Operating Voltage UL/CSA:	Main Circuit 600 V AC
Mechanical Durability:	50000 cycle
Minimum Order Quantity:	1 piece
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
Number of Poles:	3
Object Classification Code:	F
Package Level 1 EAN:	4013614486128
Package Level 1 Gross Weight:	1.1 kg
Package Level 1 Height:	155 mm
Package Level 1 Length:	155 mm
Package Level 1 Units:	1 piece
Package Level 1 Width:	78 mm
Package Level 2 EAN:	4013614503986
Package Level 2 Gross Weight:	13 kg
Package Level 2 Height:	320 mm
Package Level 2 Length:	400 mm
Package Level 2 Units:	12 piece
Package Level 2 Width:	330 mm
Phase Loss Sensitive:	No
Pollution Degree:	3
Power Loss:	3.81 W
Product Main Type:	MO165
Product Name:	Manual Motor Starter Magnetic Only
Product Net Depth:	122.1 mm
Product Net Height:	142.65 mm
Product Net Weight:	0.95 kg
Product Net Width:	55 mm
RMRS Certificate:	1SAA918000-0704
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 8 kV
Rated Instantaneous Short-Circuit Current Setting (I_i):	240 A
Rated Insulation Voltage (U_i):	1000 V
Rated Operational Current (I_e):	16 A
Rated Operational Current AC-3 (I_e):	16 A
Rated Operational Current DC-5 (I_e):	16 A
Rated Operational Power AC-3 (P_a):	(400 V) Three Phase 7.5 kW

Rated Operational Voltage (V): (700 V) Three Phase 7.5 kW

Rated Operational Voltage: Main Circuit 690 V AC
Main Circuit 250 V DC

Rated Service Short-Circuit Breaking Capacity (I_{cs}): (230 V AC) 100 kA
(250 V DC) 3 Poles in Series 100 kA
(400 V AC) 100 kA
(440 V AC) 75 kA
(500 V AC) 20 kA
(690 V AC) 8 kA

Rated Ultimate Short-Circuit Breaking Capacity (I_{cu}): (230 V AC) 100 kA
(250 V DC) 100 kA
(400 V AC) 100 kA
(440 V AC) 75 kA
(500 V AC) 20 kA
(690 V AC) 8 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

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 Information: 1SAA918003-4401

RoHS Status: Following EU Directive 2011/65/EC

Selectivity Category: A

Selling Unit of Measure: piece

Setting Range: None

Standards: IEC/EN 60947-1
IEC/EN 60947-2
IEC/EN 60947-4-1
UL 60947-4-1
CSA 22.2 No. 14

Terminal Type: Screw Terminals

Tightening Torque: Control Circuit 4 N·m
Main Circuit 4 N·m

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

Trip Class: None

UL Certificate: cUL_E137861
UL_E137861
cUL_E345003
UL_345003

UNSPSC: 39121521

Utilization: Starter Protection

Wire Stripping Length: Main Circuit 16 mm

eClass: 7.0 27370401

DNV GL Certificate: 1SAA963002-0301