MS132-25

Products Low Voltage Products and Systems Circuit Breakers Manual Motor Starters

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General Information

Extended Product Type: MS132-25

Product ID: 1SAM350000R1014

EAN: 4013614400148

Catalog Description: MS132-25 Manual Motor Starter

Long Description: The MS132-25 manual motor starter is a compact 45 mm width devices with a rated operati onal current of Ie = 25.0 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 phas e failures. The manual motor starter offers a rated service short-circuit breaking capacity Ic s = 50 kA at 400 VAC and the trip class 10. Further features are the build-in disconnect fun ction, temperature compensation, trip-free mechanism and a rotary handle with a clear swit ch position indication. The manual motor starter is suitable for three- and single-phase app lications. The handle is lockable to protect against unauthorized changes. Auxiliary contact s, signalling contacts, undervoltage releases, shunt trips, 3-phase bus bars, power in-feed blocks are available as accessory.

Additional Information

ABS Certificate:	1SAA963001-0101
ATEX Certificate:	1SAA963000-3901
Actuator Type:	Rotary Handle
Ambient Air Temperature:	Around the Enclosure 0 ... +40 °C Operation -25 ... +70 °C Operation Compensated -25 ... +60 °C Storage -50 ... +80 °C
Ambient Air Temperature Compensation:	Yes
Ampere Rating UL/CSA:	25 A
BV Certificate:	1SAA963001-0201
CB Certificate:	1SAA963002-2001
CCC Certificate:	1SAA963001-3805
Connecting Capacity Main Circuit UL/CSA:	Flexible 1/2x 16-8 AWG Stranded 1/2x 16-8 AWG
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
Contact Position Indication:	ON / OFF / TRIP
Contact Rating UL/CSA:	B300 R300
Conventional Free-air Thermal Current (I_{th}):	Main Circuit 25 A
Country of Origin:	Germany (DE)
Customs Tariff Number:	85362010
DNV Certificate:	1SAA963001-0303
Data Sheet, Technical Information:	2CDC131021D0201
Data Sheet, Technical Information (Part 2):	1SAM300505F0014
Data Sheet, Technical Information (Part 3):	1SAM300507F0001 1SAM300507F0003 1SAM300508F0001

	1SAM300508F0003
Declaration of Conformity - CE:	1SAD938510-0125
Degree of Protection:	Housing IP20 Main Circuit Terminals IP10
Dimension Diagram:	1SAM300402F0002
E-nummer:	3112129
EAC Certificate:	1SAA963000-2701
EAN:	4013614400148
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 4:	EC000074 - Motor protective circuit-breaker
ETIM 5:	EC000074 - Motor protective circuit-breaker
ETIM 6:	EC000074 - Motor protection circuit-breaker
Electrical Durability:	50000 cycle
Frequency (*f*):	0 ... 400 Hz
GL Certificate:	1SAA963001-0401
GOST Certificate:	1SAA963001-2702
General Use Rating UL/CSA:	(600 V AC) 25 A
Horsepower Rating UL/CSA:	(220 ... 240 V AC) Three Phase 7.5 Hp (440 ... 480 V AC) Three Phase 15 Hp (550 ... 600 V AC) Three Phase 20 Hp
IIT Publishing Status:	Level 0 - Information enabled
Industrial IT Certification Level:	0
Instructions and Manuals:	2CDC131022M6802
Invoice Description:	MS132-25 Manual Motor Starter Trip class 10, 20 ... 25A
LR Certificate:	1SAA963001-0502
Maximum Operating Altitude Permissible:	2000 m
Maximum Operating Voltage UL/CSA:	Main Circuit 600 V AC Auxiliary Circuit 250 V AC/DC
Mechanical Durability:	100000 cycle
Minimum Order Quantity:	1 piece
Mounting Position:	Position 1 to 6
Mounting on DIN Rail:	TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715 TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715
Number of Poles:	3
Number of Protected Poles:	3
Object Classification Code:	F
Package Level 1 EAN:	4013614400148
Package Level 1 Gross Weight:	0.325 kg
Package Level 1 Height:	50 mm
Package Level 1 Length:	102 mm
Package Level 1 Units:	1 piece
Package Level 1 Width:	92 mm
Package Level 2 EAN:	4013614409042
Package Level 2 Gross Weight:	13.386 kg
Package Level 2 Height:	210 mm
Package Level 2 Length:	395 mm
Package Level 2 Units:	40 piece
Package Level 2 Width:	280 mm
Phase Loss Sensitive:	Yes

Phase Loss Sensitive:	Yes
Pollution Degree:	3
Power Loss:	at Rated Operating Conditions per Pole 1.8 ... 2.8 W
Product Main Type:	MS132
Product Name:	Manual Motor Starter
Product Net Depth:	86.55 mm
Product Net Height:	97.8 mm
Product Net Weight:	0.31 kg
Product Net Width:	45 mm
RINA Certificate:	1SAA963000-0802
RMRS Certificate:	1SAA918000-0704
Rated Current (I_n):	25 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):	375 A
Rated Insulation Voltage (U_i):	690 V
Rated Operational Current (I_e):	25 A
Rated Operational Current AC-3 (I_e):	25 A
Rated Operational Current DC-5 (I_e):	25 A
Rated Operational Power AC-3 (P_e):	(400 V) Three Phase 11 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) 50 kA (250 V DC) 3 Poles in Series 10 kA (400 V AC) 50 kA (440 V AC) 20 kA (500 V AC) 10 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) 10 kA (690 V AC) 3 kA
Rated Uninterrupted Current (I_u):	25 A
Recommended Screw Driver:	Pozidriv 2
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 Date:	0159
RoHS Information:	1SAA963002-4405
RoHS Status:	Following EU Directive 2002/95/EC August 18, 2005 and amendment
Selectivity Category:	A
Selling Unit of Measure:	piece
Setting Range:	20 ... 25 A
Short Description:	MS132-25 Manual Motor Starter
Short-Circuit Protective Devices:	gG Type Fuses 125 A, 230 V AC gG Type Fuses 125 A, 400 V AC gG Type Fuses 125 A, 440 V AC
Standards:	IEC/EN 60947-1 IEC/EN 60947-2 IEC/EN 60947-4-1

	IEC/EN 60947-4-1 UL 60947-1 UL 60947-4-1
Suitable for Isolation:	Yes
Terminal Type:	Screw Terminals
Tightening Torque:	Auxiliary Circuit 0.8 ... 1.2 N·m Main Circuit 2 N·m
Tightening Torque UL/CSA:	Auxiliary Circuit 7 in·lb Main Circuit 18 in·lb
Trip Class:	10
UL Certificate:	UL_E137861 UL_E345003
UNSPSC:	39121521
Utilization:	Motor Protection
Wire Stripping Length:	Auxiliary Circuit 8 mm Main Circuit 10 mm
cUL Certificate:	cUL_E137861 cUL_E345003
cULus Certificate:	cUL_E137861
eClass:	7.0 27370401