MS132-12



General Information MS132-12 **Extended Product Type:** 1SAM350000R1012 Product ID: EAN: 4013614400124 **Catalog Description:** MS132-12 Manual Motor Starter The MS132-12 manual motor starter is a compact 45 mm width devices with a rated Long Description: operational current of le = 12.0 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 phase failures. The manual motor starter offers a rated service short-circuit breaking capacity Ics = 100 kA at 400 VAC and the trip class 10. Further features are the build-in disconnect function, temperature compensation, trip-free mechanism and a rotary handle with a clear switch position indication. The manual motor starter 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

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

bars, power in-feed blocks are available as accessory.

Ordering Minimum Order Quantity: 1 piece **Customs Tariff Number:** 85362010 4013614400124 EAN: **Container Information** Package Level 1 Width: 92 mm Package Level 1 Length: 102 mm Package Level 1 Height: 50 mm Package Level 1 Gross Weight: 0.325 kg Package Level 2 Units: 40 piece Package Level 2 Width: 280 mm Package Level 2 Length: 395 mm Package Level 2 Height: 210 mm Package Level 2 Gross Weight: 13.386 kg 4013614409028 Package Level 2 EAN: Package Level 1 Units: 1 piece Dimensions **Product Net Height:** 97.8 mm Product Net Depth: 86.55 mm **Product Net Weight:** 0.31 kg Product Net Width: 45 mm Technical **Rated Ultimate Short-Circuit** (230 V AC) 100 kA Breaking Capacity (Icu): (400 V AC) 100 kA (440 V AC) 20 kA (500 V AC) 20 kA (690 V AC) 3 kA **Rated Instantaneous Short-Circuit** 180 A Current Setting (Ii): Setting Range: 8 ... 12 A Rated Operational Power AC-3 (Pe): (400 V) Three Phase 5.5 kW **Rated Operational Voltage:** Main Circuit 690 V AC Main Circuit 250 V DC Rated Operational Current (Ie): 12 A Rated Operational Current AC-3 (Ie): 12 A Rated Operational Current DC-5 (Ie): 12 A Rated Frequency (f): Main Circuit 50 Hz Main Circuit 60 Hz Rated Impulse Withstand Voltage Main Circuit 6 kV (U_{imp}): Rated Insulation Voltage (Ui): 690 V

Power Loss:	at Rated Operating Conditions per Pole 1.0 2.3 W
Number of Poles:	3
Conventional Free-air Thermal Current (I _{th}):	Main Circuit 12 A
Degree of Protection:	Housing IP20 Main Circuit Terminals IP10
Pollution Degree:	3
Electrical Durability:	50000 cycle
Mechanical Durability:	100000 cycle
Connecting Capacity Main Circuit:	Flexible with Ferrule 1/2x 0.75 6 mm ² Flexible with Insulated Ferrule 1/2x 0.75 6 mm ² Flexible 1/2x 1 2.5 mm ² Flexible 1/2x 2.5 6 mm ² Rigid 1/2x 1 2.5 mm ² Rigid 1/2x 2.5 6 mm ²
Tightening Torque:	Main Circuit 2 N·m
Wire Stripping Length:	Main Circuit 10 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: Standards:	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 IEC/EN 60947-1
	IEC/EN 60947-2 IEC/EN 60947-4-1 UL 60947-1 UL 60947-4-1
Rated Service Short-Circuit Breaking Capacity (I _{cs}):	(230 V AC) 100 kA (250 V DC) 3 Poles in Series 10 kA (400 V AC) 100 kA (440 V AC) 20 kA (500 V AC) 20 kA (690 V AC) 3 kA
Environmental	
Ambient Air Temperature Compensation:	Yes
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
Ambient Air Temperature:	Around the Enclosure 0 +40 °C Operation -25 +70 °C Operation Compensated -25 +60 °C Storage -50 +80 °C
Technical UL/CSA	
Horsepower Rating UL/CSA:	(220 240 V AC) Three Phase 3 Hp (440 480 V AC) Three Phase 7.5 Hp (550 600 V AC) Three Phase 10 Hp
Ampere Rating UL/CSA:	12 A
General Use Rating UL/CSA:	(600 V AC) 12 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 Ib
Maximum Operating Voltage UL/CSA:	Main Circuit 600 V AC
Certificates and Declarations (Declarations)	ocument Number)
Data Sheet, Technical Information (Part 2):	

(Part 2):	
Data Sheet, Technical Information (Part 3):	1SAM300507F0001 1SAM300507F0003 1SAM300508F0001 1SAM300508F0003
Instructions and Manuals:	2CDC131022M6802
ABS Certificate:	1SAA963001-0101

ATEX Certificate:	1SAA963000-3901
BV Certificate:	1SAA963001-0201
CB Certificate:	1SAA963002-2001
CCC Certificate:	1SAA963001-3804
cUL Certificate:	cUL_E137861 cUL_E345003
cULus Certificate:	cUL_E137861
Data Sheet, Technical Information:	2CDC131021D0201
Declaration of Conformity - CE:	1SAD938510-0125
DNV Certificate:	1SAA963001-0303
EAC Certificate:	1SAA963000-2701
GL Certificate:	1SAA963001-0401
GOST Certificate:	1SAA963001-2702
LR Certificate:	1SAA963001-0502
RINA Certificate:	1SAA963000-0802
RMRS Certificate:	1SAA918000-0703
RoHS Information:	1SAA963002-4405
UL Certificate:	UL_E137861 UL_E345003

Classifications

E-nummer:	3112131
ETIM 4:	EC000074 - Motor protective circuit-breaker
ETIM 5:	EC000074 - Motor protective circuit-breaker
ETIM 6:	EC000074 - Motor protection circuit-breaker
eClass:	7.0 27370401
UNSPSC:	39121521
Object Classification Code:	F

