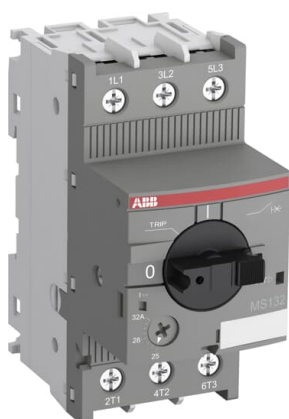




 PRODUCT-DETAILS

MS132-12

MS132-12 Manual Motor Starter



General Information

Extended Product Type	MS132-12
Product ID	1SAM350000R1012
EAN	4013614400124
Catalog Description	MS132-12 Manual Motor Starter

Long Description

The MS132-12 manual motor starter (also known as motor protection circuit breaker or manual motor protector) is a compact 45 mm width device with a rated operational current of $I_e = 12.0$ 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 $I_{cs} = 100$ kA at 400 VAC and 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, signaling contacts, undervoltage releases, shunt trips, 3-phase bus bars, power in-feed blocks are available as accessory.

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85362010

Popular Downloads

Data Sheet, Technical Information	2CDC131021D0201
Instructions and	2CDC131022M6802

Manuals

Instructions and Manuals (Part 2)	2CDC131060M0202
Time-Current Characteristic Curve	1SAM300505F0012
I ² t Characteristic	1SAM300507F0001 1SAM300507F0003
Cut-off Current Characteristic	1SAM300508F0001 1SAM300508F0003
Dimension Diagram	1SAM300402F0002

Dimensions

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

Technical

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
Rated Ultimate Short-Circuit Breaking Capacity (I _{cu})	(230 V AC) 100 kA (400 V AC) 100 kA (440 V AC) 20 kA (500 V AC) 20 kA (690 V AC) 3 kA
Rated Instantaneous Short-Circuit Current Setting (I _i)	180 A
Setting Range	8.0 ... 12 A
Rated Operational Power AC-3 (P _e)	(400 V) Three Phase 5.5 kW
Rated Operational Voltage	Main Circuit 690 V AC Main Circuit 250 V DC
Rated Operational Current (I _e)	12 A
Rated Operational Current AC-3 (I _e)	12 A
Rated Operational Current DC-5 (I _e)	12 A
Rated Frequency (f)	Main Circuit 50 Hz Main Circuit 60 Hz
Rated Impulse Withstand Voltage (U _{imp})	Main Circuit 6 kV
Rated Insulation Voltage (U _i)	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
Terminal Type	Screw Terminals

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
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
Minimum Mounting Distance	Electrical Conductive Board, Horizontal - Up to 400 V 0 mm Electrical Conductive Board, Horizontal - Up to 690 V 1.5 mm Electrical Conductive Board, Vertical 75 mm Other Device Same Type, Horizontal 0 mm Other Device Same Type, Vertical 150 mm
Actuator Type	Rotary Handle
Contact Position Indication	ON / OFF / TRIP
Standards	IEC/EN 60947-1 IEC/EN 60947-2 IEC/EN 60947-4-1 UL 60947-1 UL 60947-4-1
Remarks	UL508 Self-Protected Combination Motor Controller (Type E) in combination with feeder block S1-M3-xx

Technical UL/CSA

Short-Circuit Current Rating (SCCR)	Manual Self-Protected Combination Controllers (Type E), (480Y / 277 V AC) 30 kA Any UL Listed Fuses or Circuit-Breakers, Group Installations (480 V AC) 35 kA Any UL Listed Fuses or Circuit-Breakers, Group Installations (600 V AC) 35 kA Any UL Listed Fuses or Circuit-Breakers, Motor Disconnect (480 V AC) 30 kA Any UL Listed Fuses or Circuit-Breakers, Motor Disconnect (600 V AC) 18 kA Any UL Listed Fuses or Circuit-Breakers, Tap Conductor Protection in Group Installations (480 V AC) 30 kA Any UL Listed Fuses or Circuit-Breakers, Tap Conductor Protection in Group Installations (600 V AC) 18 kA
Maximum Operating Voltage UL/CSA	Main Circuit 600 V AC
Ampere Rating UL/CSA	12 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 3 Hp (440 ... 480 V AC) Three Phase 7.5 Hp (550 ... 600 V AC) Three Phase 10 Hp
Full Load Amps Motor Use	(200 V AC) Three Phase 11 A (208 V AC) Three Phase 10.6 A (220 ... 240 V AC) Three Phase 9.6 A (440 ... 480 V AC) Three Phase 11 A (550 ... 600 V AC) Three Phase 11 A
Locked Rotor Amps	(200 V AC) Three Phase 73.6 A (208 V AC) Three Phase 71 A (220 ... 240 V AC) Three Phase 64 A (440 ... 480 V AC) Three Phase 63.5 A (550 ... 600 V AC) Three Phase 64.8 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	Main Circuit 18 in·lb

UL/CSA

Environmental

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
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

Certificates and Declarations (Document Number)

ABS Certificate	1SAA963001-0101
ATEX Certificate	1SAA963000-3902
BV Certificate	1SAA963001-0202
CB Certificate	1SAA963002-2002
CCC Certificate	1SAA963001-3805
cUL Certificate	cUL_E137861 cUL_E345003
cULus Certificate	cUL_E137861
Cut-off Current Characteristic	1SAM300508F0001 1SAM300508F0003
Declaration of Conformity - CE	1SAD938514-0125
DNV GL Certificate	1SAA963001-0304
EAC Certificate	1SAA963000-2701
GOST Certificate	1SAA963001-2702
I ² t Characteristic	1SAM300507F0001 1SAM300507F0003
Instructions and Manuals	2CDC131022M6802
Instructions and Manuals (Part 2)	2CDC131060M0202
LR Certificate	1SAA963001-0502
RINA Certificate	1SAA963002-0802
RMRS Certificate	1SAA918000-0704
RoHS Information	1SAD938511-0125
Time-Current Characteristic Curve	1SAM300505F0012
UL Certificate	UL_E137861 UL_E345003

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	92 mm
Package Level 1 Depth / Length	102 mm
Package Level 1 Height	50 mm
Package Level 1 Gross Weight	0.325 kg

Package Level 1 EAN	4013614400124
Package Level 2 Units	carton 40 piece
Package Level 2 Width	280 mm
Package Level 2 Depth / Length	395 mm
Package Level 2 Height	210 mm
Package Level 2 Gross Weight	13.386 kg
Package Level 2 EAN	4013614409028

Classifications

Object Classification Code	F
ETIM 4	EC000074 - Motor protective circuit-breaker
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
IDEA Granular Category Code (IGCC)	4845 >> 3 Pole Motor Circuit Protector Circuit Breakers
E-Number (Sweden)	3112131

Accessories

Identifier	Description	Type	Quantity	Unit Of Measure
1SAM201901R1001	HKF1-11 Hilfskontakt	HKF1-11	1	piece
1SAM201901R1201	HKF1-11K Hilfskontakt	HKF1-11K	1	piece
1SAM201901R1002	HKF1-20 Hilfskontakt	HKF1-20	1	piece
1SAM201901R1202	HKF1-20K Hilfskontakt	HKF1-20K	1	piece
1SAM201901R1004	HKF1-01 Hilfskontakt	HKF1-01	1	piece
1SAM201901R1003	HKF1-10 Hilfskontakt	HKF1-10	1	piece
1SAM201902R1002	HK1-20 Hilfskontakt	HK1-20	1	piece
1SAM201902R1202	HK1-20K Hilfskontakt	HK1-20K	1	piece
1SAM201902R1001	HK1-11 Hilfskontakt	HK1-11	1	piece
1SAM201902R1201	HK1-11K Hilfskontakt	HK1-11K	1	piece
1SAM201902R1003	HK1-02 Hilfskontakt	HK1-02	1	piece
1SAM201902R1203	HK1-02K Hilfskontakt	HK1-02K	1	piece
1SAM201902R1004	HK1-20L Hilfskontakt	HK1-20L	1	piece
1SAM201902R1204	HK1-20LK Hilfskontakt	HK1-20LK	1	piece
1SAM201903R1002	SK1-20 Signalkontakt	SK1-20	1	piece
1SAM201903R1202	SK1-20K Signalkontakt	SK1-20K	1	piece
1SAM201903R1001	SK1-11 Signalkontakt	SK1-11	1	piece
1SAM201903R1201	SK1-11K Signalkontakt	SK1-11K	1	piece
1SAM201903R1003	SK1-02 Signalkontakt	SK1-02	1	piece
1SAM201903R1203	SK1-02K Signalkontakt	SK1-02K	1	piece
1SAM301901R1002	CK1-20 Kurzschluss-Signalkontakt	CK1-20	1	piece
1SAM301901R1001	CK1-11 Kurzschluss-Signalkontakt	CK1-11	1	piece
1SAM301901R1003	CK1-02 Kurzschluss-Signalkontakt	CK1-02	1	piece
1SAM201910R1001	AA1-24 Arbeitsstromauslöser	AA1-24	1	piece
1SAM201910R1002	AA1-110 Arbeitsstromauslöser	AA1-110	1	piece
1SAM201910R1003	AA1-230 Arbeitsstromauslöser	AA1-230	1	piece
1SAM201910R1004	AA1-400 Arbeitsstromauslöser	AA1-400	1	piece
1SAM201904R1010	UA1-20 Unterspannungsauslöser	UA1-20	1	piece
1SAM201904R1001	UA1-24 Unterspannungsauslöser	UA1-24	1	piece

1SAM201904R1002	UA1-48 Unterspannungsauslöser	UA1-48	1	piece
1SAM201904R1003	UA1-60 Unterspannungsauslöser	UA1-60	1	piece
1SAM201904R1004	UA1-110 Unterspannungsauslöser	UA1-110	1	piece
1SAM201904R1008	UA1-208 Unterspannungsauslöser	UA1-208	1	piece
1SAM201904R1005	UA1-230 Unterspannungsauslöser	UA1-230	1	piece
1SAM201904R1006	UA1-400 Unterspannungsauslöser	UA1-400	1	piece
1SAM201904R1007	UA1-415 Unterspannungsauslöser	UA1-415	1	piece
1SAM201904R1009	UA1-575 Unterspannungsauslöser	UA1-575	1	piece
1SAM201906R1102	PS1-2-0-65 3-Phasen Sammelschiene	PS1-2-0-65	1	piece
1SAM201906R1112	PS1-2-1-65 3-Phasen Sammelschiene	PS1-2-1-65	1	piece
1SAM201906R1122	PS1-2-2-65 3-Phasen Sammelschiene	PS1-2-2-65	1	piece
1SAM201916R1103	PS1-3-0-100 3-Phasen Sammelschiene	PS1-3-0-100	1	piece
1SAM201906R1103	PS1-3-0-65 3-Phasen Sammelschiene	PS1-3-0-65	1	piece
1SAM201916R1113	PS1-3-1-100 3-Phasen Sammelschiene	PS1-3-1-100	1	piece
1SAM201906R1113	PS1-3-1-65 3-Phasen Sammelschiene	PS1-3-1-65	1	piece
1SAM201916R1123	PS1-3-2-100 3-Phasen Sammelschiene	PS1-3-2-100	1	piece
1SAM201906R1123	PS1-3-2-65 3-Phasen Sammelschiene	PS1-3-2-65	1	piece
1SAM201916R1104	PS1-4-0-100 3-Phasen Sammelschiene	PS1-4-0-100	1	piece
1SAM201906R1104	PS1-4-0-65 3-Phasen Sammelschiene	PS1-4-0-65	1	piece
1SAM201916R1114	PS1-4-1-100 3-Phasen Sammelschiene	PS1-4-1-100	1	piece
1SAM201906R1114	PS1-4-1-65 3-Phasen Sammelschiene	PS1-4-1-65	1	piece
1SAM201906R1124	PS1-4-2-65 3-Phasen Sammelschiene	PS1-4-2-65	1	piece
1SAM201916R1105	PS1-5-0-100 3-Phasen Sammelschiene	PS1-5-0-100	1	piece
1SAM201906R1105	PS1-5-0-65 3-Phasen Sammelschiene	PS1-5-0-65	1	piece
1SAM201916R1115	PS1-5-1-100 3-Phasen Sammelschiene	PS1-5-1-100	1	piece
1SAM201906R1115	PS1-5-1-65 3-Phasen Sammelschiene	PS1-5-1-65	1	piece
1SAM201906R1125	PS1-5-2-65 3-Phasen Sammelschiene	PS1-5-2-65	1	piece
1SAM201907R1101	S1-M1-25 3-Phasen Einspeiseblock	S1-M1-25	1	piece
1SAM201907R1102	S1-M2-25 3-Phasen Einspeiseblock	S1-M2-25	1	piece
1SAM201907R1103	S1-M3-25 3-Phasen Einspeiseblock	S1-M3-25	1	piece
1SAM201913R1103	S1-M3-35 3-Phasen Einspeiseblock	S1-M3-35	1	piece
1SAM201914R1002	S1-PB1-25 3-Phasen Einspeiseblock	S1-PB1-25	1	piece
1SAM201908R1001	BS1-3 Schutzabdeckung	BS1-3	1	piece
1SAM201909R1001	FS116 Schraubenbefestigungs-Kit	FS116	1	piece
1SAM201914R1001	PB1-1-32 Phasenverbinder	PB1-1-32	1	piece
GJF1101903R0002	SA2 - Vorhängeschloss	SA2	1	piece
1SAM201911R1012	IB132-F Gehäuse	IB132-F	1	piece
1SAM201911R1010	IB132-G Gehäuse	IB132-G	1	piece
1SAM201911R1011	IB132-Y Gehäuse	IB132-Y	1	piece
1SAM201912R1010	DMS132-G Türmontagesatz	DMS132-G	1	piece
1SAM201912R1011	DMS132-Y Türmontagesatz	DMS132-Y	1	piece
1SAM201909R1021	MSAH1 Wellenhalter	MSAH1	1	piece
1SAM201920R1000	MSH-AR Wellenführungsring	MSH-AR	1	piece
1SAM201920R1011	MSHD-LTB Griff	MSHD-LTB	1	piece
1SAM201920R1012	MSHD-LTY Griff	MSHD-LTY	1	piece
1SAM101923R0002	MSMN Mitnehmer	MSMN	1	piece
1SAM101923R0012	MSMNO Mitnehmer	MSMNO	1	piece
1SAM101924R0013	MSEX-30 Achse	MSEX-30	1	piece
1SAM101924R0003	MSEX-32 Achse	MSEX-32	1	piece
1SCA101647R1001	OXS6X85 Welle Länge 85mm Wellen-ø 6mm für Selektorgriffe	OXS6X85	1	piece
1SCA108043R1001	OXS6X105 Welle Länge 105mm Wellen-ø 6mm für Pistolengriffe	OXS6X105	1	piece
1SCA101655R1001	OXS6X130 Welle Länge 130mm Wellen-ø 6mm für Selektorgriffe	OXS6X130	1	piece
1SCA101659R1001	OXS6X180 Welle Länge 180mm Wellen-ø 6mm für Selektorgriffe	OXS6X180	1	piece

Categories

Low Voltage Products and Systems → Circuit Breakers → Manual Motor Starters

Low Voltage Products and Systems → Control Products → Manual Motor Starters → Manual Motor Starters





SCATTERGOOD & JOHNSON LTD

ELECTRICAL ENGINEERING & FLUID CONTROL DISTRIBUTORS

Est.1899

At Scattergood & Johnson Ltd, we pride ourselves on being a technical distributor to specialist industries.

Working with a range of quality product suppliers across a number of specialist markets, we are not your average 'box shifter' - we are your technical and supply chain partner.

We fully support every product we sell - for free! Our internal team and external sales engineers can answer any product or application question, no matter the complexity.

Backing up this technical ability is a range of 50,000+ products available from stock for nationwide next day delivery (same day if required!), or you can collect what you need from any of our trade counters around the UK.

Select your specialist interest below to learn more about how we can help.



Online, In Branch and On the Road - Scattergood & Johnson Ltd, there when you need us.

www.scatts.co.uk