



 PRODUCT-DETAILS

MS132-0.63

MS132-0.63 Manual Motor Starter 0.40 ... 0.63 A



General Information

Extended Product Type:	MS132-0.63
Product ID:	1SAM350000R1004
EAN:	4013614400049
Catalog Description:	MS132-0.63 Manual Motor Starter 0.40 ... 0.63 A
Long Description:	<p>The MS132-0.63 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 $I_e = 0.63$ 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 and terminal spacers are available as accessory.</p>
Display Name:	MS132-0.63

Ordering

Minimum Order Quantity:	1 piece
Customs Tariff Number:	85362010

Popular Downloads

Data Sheet, Technical Information:	2CDC131021D0202
Instructions and Manuals:	2CDC131022M6802
Instructions and Manuals (Part 2):	2CDC131060M0202
Ex Operating Instructions:	2CDC131063M6801
Time-Current Characteristic Curve:	1SAM300505F0104
I ² t Characteristic:	1SAM300507F0001 1SAM300507F0003
Cut-off Current Characteristic:	1SAM300508F0001 1SAM300508F0003
CAD Dimensional Drawing:	2CDC001079B0201
Dimension Diagram:	1SAM300402F0001

Dimensions

Product Net Width:	45 mm
Product Net Height:	90 mm
Product Net Depth / Length:	86.75 mm
Product Net Weight:	0.215 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) 100 kA (500 V AC) 100 kA (690 V AC) 100 kA
Rated Ultimate Short-Circuit Breaking Capacity (I _{cu}):	(230 V AC) 100 kA (400 V AC) 100 kA (440 V AC) 100 kA (500 V AC) 100 kA (690 V AC) 100 kA
Rated Instantaneous Short-Circuit Current Setting (I _i):	7.9 A
Setting Range:	0.40 ... 0.63 A
Rated Operational Power AC-3 (P _e):	(400 V) Three Phase 0.18 kW
Rated Operational Power AC-3e (P _e):	(400 V) Three Phase 0.18 kW
Rated Operational Voltage:	Main Circuit 690 V AC Main Circuit 250 V DC
Rated Operational Current (I _e):	0.63 A
Rated Operational Current AC-3 (I _e):	0.63 A
Rated Operational Current AC-3e (I _e):	0.63 A

Rated Operational Current DC-5 (I_e):	0.63 A
Rated Frequency (f):	Main Circuit 50 Hz Main Circuit 60 Hz
Operating Frequency (f_{sw}):	0 ... 400 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 0.7 ... 1.7 W
Number of Poles:	3P
Conventional Free-air Thermal Current (I_{th}):	Main Circuit 0.63 A
Degree of Protection:	Housing IP20 Main Circuit Terminals IP10
Pollution Degree:	3
Electrical Durability:	50000 cycle
Mechanical Durability:	Nr. Operations 100000 cycle
Terminal Type:	Screw Terminals
Connecting Capacity Main Circuit:	Flexible with Ferrule 1/2x 0.75 ... 2.5 mm ² Flexible with Insulated Ferrule 1/2x 0.75 ... 2.5 mm ² Flexible 1/2x 0.75 ... 2.5 mm ² Rigid 1/2x 1 ... 4 mm ²
Tightening Torque:	Main Circuit 0.8 ... 1.2 N-m
Wire Stripping Length:	Main Circuit 9 mm
Recommended Screw Driver:	Pozidriv 2
Mounting Position:	1 ... 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
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 IEC 60335-2-40 A2L
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) 65 kA Manual Self-Protected Combination Controllers (Type E), (600Y / 347 V AC) 47 kA Any UL Listed Fuses or Circuit-Breakers, Group Installations (480 V AC) 65 kA Any UL Listed Fuses or Circuit-Breakers, Group Installations (600 V AC) 47 kA Any UL Listed Fuses or Circuit-Breakers, Motor Disconnect (480 V AC) 65 kA Any UL Listed Fuses or Circuit-Breakers, Motor Disconnect (600 V AC) 47 kA Any UL Listed Fuses or Circuit-Breakers, Tap Conductor Protection in Group Installations (480Y / 277 V AC) 65 kA Any UL Listed Fuses or Circuit-Breakers, Tap Conductor Protection in Group Installations (600Y / 347 V AC) 47 kA
Maximum Operating Voltage UL/CSA:	Main Circuit 600 V AC
Full Load Amps Motor Use:	(200 V AC) Three Phase 0.63 A (208 V AC) Three Phase 0.63 A (220 ... 240 V AC) Three Phase 0.63 A (440 ... 480 V AC) Three Phase 0.63 A (550 ... 600 V AC) Three Phase 0.63 A
Locked Rotor Amps:	(200 V AC) Three Phase 3.78 A (208 V AC) Three Phase 3.78 A (220 ... 240 V AC) Three Phase 3.78 A (440 ... 480 V AC) Three Phase 3.78 A (550 ... 600 V AC) Three Phase 3.78 A
General Use Rating UL/CSA:	(600 V AC) 0.63 A
Connecting Capacity Main Circuit UL/CSA:	Flexible 1/2x 16-12 AWG Stranded 1/2x 16-12 AWG
Tightening Torque UL/CSA:	Main Circuit 10 ... 12 in-lb

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:	5g 3 ... 150 Hz

Material Compliance

Conflict Minerals Reporting Template (CMRT):	9AKK108467A5658
REACH Declaration:	1SAA963005-4502
RoHS Declaration:	1SAA963006-4501
RoHS Information:	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
Toxic Substances Control Act - TSCA:	2CMT2023-006539
WEEE B2C / B2B:	Business To Business
WEEE Category:	5. Small Equipment (No External Dimension More Than 50 cm)

ABB EcoSolutions

ABB EcoSolutions:	Yes
ABB Site Meeting Group Waste To Landfill Target:	No non-hazardous waste is sent to a landfill UL 2799 Zero Waste To Landfill Validation available
EcoSolutions Profile:	1SFC100125C0353
End Of Life Disassembling Instructions:	1SAC200332H0001
Environmental Product Declaration - EPD:	1SAC200360H0001 1SAC200385H0001
Recyclability Rate of the Product acc. to EN45555:	Design for Closing Resource Loops - Standard EN45555 - 80 %

Certificates and Declarations

A2L Certificate – IEC:	1SAA963000-4601
ABS Certificate:	1SAA963001-0101
ATEX Certificate:	1SAA963000-3902
BV Certificate:	1SAA963001-0202
CB Certificate:	1SAA963002-2002 1SAA963007-2002
CCC Certificate:	2024010307654702 2024010307658958
CQC Certificate:	CQC2010010307387700 CQC2019010307243864
Declaration of Conformity - CCC:	2020980307003526 2020980307003041
Declaration of Conformity - CE:	1SAD101100-3402
Declaration of Conformity - UKCA:	1SAD201100-3402
DNV GL Certificate:	1SAA963001-0304
EAC Certificate:	1SAA963000-2701
IECEX Certificate:	1SAA963000-4001
KC Certificate:	1SAA963002-1502
LR Certificate:	1SAA963001-0503
RINA Certificate:	1SAA963002-0802
RMRS Certificate:	1SAA918000-0704
UL Certificate:	E137861-20090225 E345003-20090225

Container Information

Package Level 1 Units:	box 1 piece
Package Level 1 Width:	92 mm
Package Level 1 Depth / Length:	95 mm
Package Level 1 Height:	50 mm
Package Level 1 Gross Weight:	0.23 kg
Package Level 1 EAN:	4013614400049
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:	9.586 kg
Package Level 2 EAN:	4013614408946

External Classifications and Standards

Object Classification Code:	F
ETIM 9:	EC000074 - Motor protection circuit-breaker
ETIM 10:	EC000074 - Motor protection circuit-breaker
eClass:	V11.0 : 27370401
UNSPSC:	39121521
IDEA Granular Category Code (IGCC):	4731 >> Manual Starters
E-Number (Finland):	3705988
E-Number (Norway):	4364073
E-Number (Sweden):	3112120

Accessories

Identifier	Description	Qty	Type	Unit Of Measure
1SAM201901R1001	HKF1-11 Aux.-contact for front mounting	1	HKF1-11	piece
1SAM201901R1201	HKF1-11K Aux.-contact for frontmounting with Push-In terminals	1	HKF1-11K	piece
1SAM201901R1002	HKF1-20 Aux.-contact 2NO, front mounting	1	HKF1-20	piece
1SAM201901R1202	HKF1-20K Aux.-contact for frontmounting with Push-In terminals	1	HKF1-20K	piece
1SAM201901R1004	HKF1-01 Aux.-contact for front mounting	1	HKF1-01	piece
1SAM201901R1003	HKF1-10 Aux.-contact for front mounting	1	HKF1-10	piece
1SAM201902R1002	HK1-20 Aux.-contact 2 NO	1	HK1-20	piece
1SAM201902R1202	HK1-20K Aux.-contact 2 NO with Push-In terminals	1	HK1-20K	piece
1SAM201902R1001	HK1-11 Aux.-contact 1 NO + 1 NC	1	HK1-11	piece
1SAM201902R1201	HK1-11K Aux.-contact 1 NO + 1 NC with Push-In terminals	1	HK1-11K	piece
1SAM201902R1003	HK1-02 Aux.-contact 2 NC	1	HK1-02	piece
1SAM201902R1203	HK1-02K Aux.-contact 2 NC with Push-In terminals	1	HK1-02K	piece
1SAM201902R1004	HK1-20L Aux.-cont. w. 2 lead contacts 2 NO	1	HK1-20L	piece

1SAM201902R1204	HK1-20LK Aux-cont. w. 2 leading contacts 2 NO, with Push-In terminals	1	HK1-20LK	piece
1SAM201903R1002	SK1-20 Signaling Contact 2 NO	1	SK1-20	piece
1SAM201903R1202	SK1-20K Signaling Contact 2 NO with Push-In terminals	1	SK1-20K	piece
1SAM201903R1005	SK1-20AR Signaling Contact, 2NO with screw terminals	1	SK1-20AR	piece
1SAM201903R1205	SK1-20ARK Signaling Contact, 2NO with Push-in Spring terminals	1	SK1-20ARK	piece
1SAM201903R1001	SK1-11 Signaling Contact 11 NO + 1 NC	1	SK1-11	piece
1SAM201903R1201	SK1-11K Signaling Contact 11 NO + 1 NC with Push-In terminals	1	SK1-11K	piece
1SAM201903R1004	SK1-11AR Signaling Contact, 1NO+1NC with screw terminals	1	SK1-11AR	piece
1SAM201903R1204	SK1-11ARK Signaling Contact, 1NO+1NC with Push-in Spring terminals	1	SK1-11ARK	piece
1SAM201903R1003	SK1-02 Signaling Contact 2 NC	1	SK1-02	piece
1SAM201903R1203	SK1-02K Signaling Contact 2 NC with Push-In terminals	1	SK1-02K	piece
1SAM201903R1006	SK1-02AR Signaling Contact, 2NC with screw terminals	1	SK1-02AR	piece
1SAM201903R1206	SK1-02ARK Signaling Contact, 2NC with Push-in Spring terminals	1	SK1-02ARK	piece
1SAM301901R1002	CK1-20 Short-Circuit Signaling Contact 2 NO	1	CK1-20	piece
1SAM301901R1001	CK1-11 Short-Circuit Signaling Contact 1 NO + 1 NC	1	CK1-11	piece
1SAM301901R1003	CK1-02 Short-Circuit Signaling Contact 2 NC	1	CK1-02	piece
1SAM201910R1001	AA1-24 Shunt Trip 20-24V	1	AA1-24	piece
1SAM201910R1002	AA1-110 Shunt Trip 110V	1	AA1-110	piece
1SAM201910R1003	AA1-230 Shunt Trip 200-240V	1	AA1-230	piece
1SAM201910R1004	AA1-400 Shunt Trip 350-415V	1	AA1-400	piece
1SAM201904R1010	UA1-20 Undervoltage release 20V 50Hz / 24V 60 Hz	1	UA1-20	piece
1SAM201904R1001	UA1-24 Undervoltage release 24 V	1	UA1-24	piece
1SAM201904R1002	UA1-48 Undervoltage release 48V	1	UA1-48	piece

1SAM201904R1003	UA1-60 Undervoltage release 60V	1	UA1-60	piece
1SAM201904R1004	UA1-110 Undervoltage release 110V 110V 50Hz/120V 60Hz	1	UA1-110	piece
1SAM201904R1008	UA1-208 Undervoltage release 208V 60Hz	1	UA1-208	piece
1SAM201904R1005	UA1-230 Undervoltage release 230 V 50 Hz / 240 V 60 Hz	1	UA1-230	piece
1SAM201904R1006	UA1-400 Undervoltage release 400V	1	UA1-400	piece
1SAM201904R1007	UA1-415 Undervoltage release 415V 415V 50Hz/480V 60Hz	1	UA1-415	piece
1SAM201904R1009	UA1-575 Undervoltage release 575V 60Hz	1	UA1-575	piece
1SAM201906R1102	PS1-2-0-65 3-phase busbar for 2 MS116 / MS132, Ie=65A	1	PS1-2-0-65	piece
1SAM201906R1112	PS1-2-1-65 3-phase busbar for 2 MS116 / MS132 with 1 HK/SK, Ie=65A	1	PS1-2-1-65	piece
1SAM201906R1122	PS1-2-2-65 3-phase busbar for 2 MS116 / MS132 with 2 HK/SK, Ie=65A	1	PS1-2-2-65	piece
1SAM201916R1103	PS1-3-0-100 3-phase busbar for 3 MS116 / MS132, Ie=100A	1	PS1-3-0-100	piece
1SAM201906R1103	PS1-3-0-65 3-phase busbar for 3 MS116 / MS132, Ie=65A	1	PS1-3-0-65	piece
1SAM201916R1113	PS1-3-1-100 3-phase busbar for 3 MS116 / MS132 with 1 HK/SK, Ie=100A	1	PS1-3-1-100	piece
1SAM201906R1113	PS1-3-1-65 3-phase busbar for 3 MS116 / MS132 with 1 HK/SK, Ie=65A	1	PS1-3-1-65	piece
1SAM201916R1123	PS1-3-2-100 3-phase busbar for 3 MS116 / MS132 with 2 HK/SK, Ie=100A	1	PS1-3-2-100	piece
1SAM201906R1123	PS1-3-2-65 3-phase busbar for 3 MS116 / MS132 with 2 HK/SK, Ie=65A	1	PS1-3-2-65	piece
1SAM201916R1104	PS1-4-0-100 3-phase busbar for 4 MS116 / MS132, Ie=100A	1	PS1-4-0-100	piece
1SAM201906R1104	PS1-4-0-65 3-phase busbar for 4 MS116 / MS132, Ie=65A	1	PS1-4-0-65	piece

1SAM201916R1114	PS1-4-1-100 3-phase busbar for 4 MS116 /MS132 with 1 HK/SK, Ie=100A	1	PS1-4-1-100	piece
1SAM201906R1114	PS1-4-1-65 3-phase busbar for 4 MS116 / MS132 with 1 HK/SK, Ie=65A	1	PS1-4-1-65	piece
1SAM201906R1124	PS1-4-2-65 3-phase busbar for 4 MS116 / MS132 with 2 HK/SK, Ie=65A	1	PS1-4-2-65	piece
1SAM201916R1105	PS1-5-0-100 3-phase busbar for 5 MS116 / MS132, Ie=100A	1	PS1-5-0-100	piece
1SAM201906R1105	PS1-5-0-65 3-phase busbar for 5 MS116 / MS132, Ie=65A	1	PS1-5-0-65	piece
1SAM201916R1115	PS1-5-1-100 3-phase busbar for 5 MS116 /MS132 with 1 HK/SK, Ie=100A	1	PS1-5-1-100	piece
1SAM201906R1115	PS1-5-1-65 3-phase busbar for 5 MS116 / MS132 with 1 HK/SK, Ie=65A	1	PS1-5-1-65	piece
1SAM201906R1125	PS1-5-2-65 3-phase busbar for 5 MS116 / MS132 with 2 HK/SK, Ie=65A	1	PS1-5-2-65	piece
1SAM201907R1101	S1-M1-25 3-phase power infeed block Flat, for MS116 / MS132, 25mm ²	1	S1-M1-25	piece
1SAM201907R1102	S1-M2-25 3-phase power infeed block High, for MS116 / MS132, 25mm ²	1	S1-M2-25	piece
1SAM201907R1103	S1-M3-25 3-phase power infeed block Flat, for MS116 / MS132, 25mm ² , Type E	1	S1-M3-25	piece
1SAM201913R1103	S1-M3-35 3-phase power infeed block Flat, for MS116 / MS132, 35mm ² , Type E	1	S1-M3-35	piece
1SAM201914R1002	S1-PB1-25 1-phase power infeed block for MS116 / MS132 / MS132-T, 25mm ² , IEC	1	S1-PB1-25	piece
1SAM301911R1001	TS1-M3-S1 Terminal Spacer MS132 Size 1 For MS/MO132-0.16 - MS/MO132-10 Type E	1	TS1-M3-S1	piece
1SAM301912R1001	TS1-M3-S2 Terminal Spacer MS132 Size 2 For MS/MO132-12 - MS/MO132-32 Type E	1	S1-M3-S2	piece
1SAM201908R1001	BS1-3 Protection Cover for 1 busbars empty places		BS1-3	piece

1SAM201909R1001	FS116 Screw fixing kit for MS116, MS/MO132 10 pieces packed	1	FS116	piece
1SAM201914R1001	PB1-1-32 phase connecting link for MS116 / MS132 / MS132-T, Ie=32A	1	PB1-1-32	piece
GJF1101903R0002	SA 2 Padlock with 2 keys	1	SA2	piece
1SAM201911R1012	IB132-F Enclosure, GY/RD, IP65 3 times lockable	1	IB132-F	piece
1SAM201911R1010	IB132-G Enclosure, GY/BK, IP65 Standard version, 3 times lockable	1	IB132-G	piece
1SAM201911R1011	IB132-Y Enclosure, RD/YE, IP65 Emergency-STOP, 3 times lockable	1	IB132-Y	piece
1SAM201912R1010	DMS132-G Door Mounting Kit, GY/BK, IP65 Standard version, 3 times lockable	1	DMS132-G	piece
1SAM201912R1011	DMS132-Y Door Mounting Kit, RD/YE, IP65 Emergency-STOP, 3 times lockable	1	DMS132-Y	piece
1SAM201909R1021	MSAH1 Shaft Supporter suitable for MS116, MS132/MO132	1	MSAH1	piece
1SAM201920R1011	MSHD-LTB Handle, IP64, black, 3 times lockable, defeatable, 0-TRIP-I	1	MSHD-LTB	piece
1SAM201920R1012	MSHD-LTY Handle, IP64, red/yellow, 3 times lockable, defeatable, 0-TRIP-I	1	MSHD-LTY	piece
1SAM101923R0002	MSMN Driver w. screw for manual motor starters, 6x6	1	MSMN	piece
1SAM101923R0012	MSMNO Driver w/o coding w. screw for manual motor starters, 6x6	1	MSMNO	piece
1SAM101924R0013	MSOX-30 Driver shaft, turned for fixing of external operator, 6x6	1	MSOX-30	piece
1SAM101924R0003	MSOX-32 Driver shaft for fixing of external operator, 6x6	1	MSOX-32	piece
1SCA101647R1001	OXS6X85 SHAFT	1	OXS6X85	piece
1SCA108043R1001	OXS6X105 SHAFT	1	OXS6X105	piece
1SCA101655R1001	OXS6X130 SHAFT	1	OXS6X130	piece
1SCA101659R1001	OXS6X180 SHAFT	1	OXS6X180	piece

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

