

PRODUCT-DETAILS

# MS132-32K

## MS132-32K Manual Motor Starter 25 ... 32 A



### Información General

Tipo de producto extendido	MS132-32K
Código de producto	1SAM350010R1015
EAN	4013614400452
Descripción corta	MS132-32K Manual Motor Starter 25 ... 32 A

#### Descripción larga

The MS132-32K 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  $I_e = 32.0$  A with Push-in spring terminals. 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 MS132-K manual motor starter offers a rated service short-circuit breaking capacity  $I_{cs} = 30$  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 MS132-K 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 and terminal spacers are available as accessory.

### Clasificación

Cantidad mínima de pedido	1 piece
Código arancelario	85362010

### Descargas Populares

Ficha técnica, información técnica	1SBC100212C0203
Instrucciones y manuales	2CDC131120M6801
Instrucciones y manuales (parte 2)	2CDC131060M0202
Instrucciones de uso Ex	2CDC131063M6801
Curva característica tiempo-corriente	1SAM300505F0015
I <sup>2</sup> t Característica	1SAM300507F0001 1SAM300507F0003
Característica de la corriente de corte	1SAM300508F0001 1SAM300508F0003
Dibujo dimensional CAD	2CDC001079B0201
Vídeo de instalación	9AKK108466A6074 9AKK108466A6068
Vídeo de marketing	9AKK107991A4712 2CDC131153V0201

## Dimensiones

Ancho del product	45 mm
Alto del producto	112 mm
Largo del product	87 mm
Peso del product	0.316 kg

## Technical

Capacidad nominal de corte en cortocircuito en servicio (I <sub>cs</sub> )	(230 V AC) 30 kA (250 V DC) 3 Poles in Series 10 kA (400 V AC) 30 kA (440 V AC) 30 kA (500 V AC) 10 kA (690 V AC) 3 kA
Capacidad nominal de corte en cortocircuito (I <sub>cu</sub> )	(230 V AC) 50 kA (400 V AC) 50 kA (440 V AC) 30 kA (500 V AC) 10 kA (690 V AC) 3 kA
Ajuste de la corriente de cortocircuito instantánea nominal (I <sub>i</sub> )	480 A
Rango de ajuste	25 ... 32 A
Potencia operativa nominal AC-3 (P <sub>e</sub> )	(400 V) Three Phase 15 kW
Potencia operativa nominal AC-3e (P <sub>e</sub> )	(400 V) Three Phase 15 kW
Tensión nominal de operación	Main Circuit 690 V AC Main Circuit 250 V DC
Corriente nominal de funcionamiento (I <sub>e</sub> )	32 A
Corriente nominal de funcionamiento AC-3 (I <sub>e</sub> )	32 A
Corriente nominal de funcionamiento AC-3e (I <sub>e</sub> )	32 A
Corriente nominal de funcionamiento DC-5 (I <sub>e</sub> )	32 A
Frecuencia nominal (f)	Main Circuit 50 Hz Main Circuit 60 Hz
Frecuencia de funcionamiento (f <sub>sw</sub> )	0 ... 400 Hz

Tensión nominal soportada por impulsos ( $U_{imp}$ )	Main Circuit 6 kV
Tensión nominal de aislamiento ( $U_i$ )	690 V
Pérdida de potencia	at Rated Operating Conditions per Pole 1.9 ... 3.1 W
Número de polos	3
Corriente térmica convencional de aire libre ( $I_{th}$ )	Main Circuit 32 A
Grado de protección	Housing IP20 Main Circuit Terminals IP20
Grado de contaminación	3
Durabilidad eléctrica	50000 cycle
Durabilidad mecánica	100000 cycle
Tipo de terminal	Push-in Spring Terminals
Capacidad de conexión del circuito principal	Flexible with Ferrule 1/2x 0.5 ... 4 mm <sup>2</sup> Flexible with Insulated Ferrule 1x 0.5 ... 4 mm <sup>2</sup> Flexible with Insulated Ferrule 2x 0.5 ... 2.5 mm <sup>2</sup> Flexible 1/2x 0.75 ... 4 mm <sup>2</sup> Solid 1/2x 1 ... 2.5 mm <sup>2</sup> Stranded 1/2x 1 ... 6 mm <sup>2</sup>
Longitud de pelado del cable	Main Circuit 12 mm
Destornillador recomendado	Pozidriv 2
Posición de montaje	1 ... 6
Montaje en contactores	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
Distancia mínima de montaje	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
Tipo de actuador	Rotary Handle
Indicación de la posición del contacto	ON / OFF / TRIP
Normas	IEC/EN 60947-1 IEC/EN 60947-2 IEC/EN 60947-4-1 UL 60947-1 UL 60947-4-1
Observaciones	UL508 Self-Protected Combination Motor Controller (Type E) in combination with terminal spacer TS1-M3-K

## Technical UL/CSA

Capacidad de corriente de cortocircuito (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) 30 kA Any UL Listed Fuses or Circuit-Breakers, Group Installations (600 V AC) 18 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 (480Y / 277 V AC) 30 kA Any UL Listed Fuses or Circuit-Breakers, Tap Conductor Protection in Group Installations (600Y / 347 V AC) 18 kA
Tensión máxima de funcionamiento UL/CSA	Main Circuit 600 V AC
Potencia nominal UL/CSA	(200 V AC) Three Phase 7.5 Hp (208 V AC) Three Phase 10 Hp

	(220 ... 240 V AC) Three Phase 10 Hp (440 ... 480 V AC) Three Phase 20 Hp (550 ... 600 V AC) Three Phase 25 Hp
Amperios a plena carga Uso del motor	(200 V AC) Three Phase 25.3 A (208 V AC) Three Phase 30.8 A (220 ... 240 V AC) Three Phase 28 A (440 ... 480 V AC) Three Phase 27 A (550 ... 600 V AC) Three Phase 27 A
Rotor bloqueado Amperios	(200 V AC) Three Phase 146 A (208 V AC) Three Phase 179 A (220 ... 240 V AC) Three Phase 162 A (440 ... 480 V AC) Three Phase 145 A (550 ... 600 V AC) Three Phase 146 A
Clasificación de uso general UL/CSA	(600 V AC) 32 A
Capacidad de conexión del circuito principal UL/CSA	Stranded 1/2x 18-10 AWG Stranded 1x 8 AWG

## Ambiente

Temperatura ambiente	Around the Enclosure 0 ... +40 °C Funcionamiento -25 ... +70 °C Operation Compensated -25 ... +60 °C Almacenamiento -50 ... +80 °C
Compensación de la temperatura del aire ambiente	Yes
Altitud máxima de funcionamiento permisible	2000 m
Resistencia a los golpes según IEC 60068-2-27	11 ms Pulse 25g
Resistencia a las vibraciones según IEC 60068-2-6	5g / 3 ... 150 Hz
Estado de RoHS	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

## Certificados y Declaraciones (Número de Documento)

Certificado ABS	1SAA963001-0101
Certificado ATEX	1SAA963000-3902
Certificado CB	1SAA963002-2002
Certificado CQC	CQC2017010307034621
Característica de la corriente de corte	1SAM300508F0001 1SAM300508F0003
Declaración de conformidad - CCC	2020980307004600
Declaración de conformidad - CE	1SAD101100-3402
Declaración de conformidad - UKCA	1SAD201100-3402
Certificado EAC	1SAA963004-2701
1ª Característica	1SAM300507F0001 1SAM300507F0003
Certificado IECEX	1SAA963000-4001
Certificado KC	1SAA963002-1502
Certificado RINA	1SAA963002-0802
Certificado UL	E137861-20090225 E345003-20090225

## Información de Embalaje

Embalaje Nivel 1 Unidades	box 1 piece
Embalaje Nivel 1 Ancho	50 mm
Embalaje Nivel 1 Largo	117 mm
Embalaje Nivel 1 Alto	82 mm
Embalaje Nivel 1 Peso	0.342 kg
Embalaje Nivel 1 EAN	4013614400452
Embalaje Nivel 2 Unidades	carton 28 piece
Embalaje Nivel 2 Ancho	280 mm
Embalaje Nivel 2 Largo	395 mm
Embalaje Nivel 2 Alto	210 mm
Embalaje Nivel 2 Peso	14.026 kg
Nivel de paquete 2 EAN	4013614522871

## Clasificaciones

Código de clasificación de objetos	F
ETIM 5	EC000074 - Motor protective circuit-breaker
ETIM 6	EC000074 - Motor protection circuit-breaker
ETIM 7	EC000074 - Motor protection circuit-breaker
ETIM 8	EC000074 - Motor protection circuit-breaker
Clase electrónica	V11.0 : 27370401
UNSPSC	39121521
Código de categoría granular de IDEA (IGCC)	4731 >> Manual Starters
Número E (Finlandia)	3707844
Número E (Suecia)	3110463

## Accessories

Identifier	Description	Type	Quantity	Unit Of Measure
1SAM201901R1001	HKF1-11 Auxiliary Contact	HKF1-11	1	piece
1SAM201901R1201	HKF1-11K Auxiliary Contact	HKF1-11K	1	piece
1SAM201901R1002	HKF1-20 Auxiliary Contact	HKF1-20	1	piece
1SAM201901R1202	HKF1-20K Auxiliary Contact	HKF1-20K	1	piece
1SAM201901R1004	HKF1-01 Auxiliary Contact	HKF1-01	1	piece
1SAM201901R1003	HKF1-10 Auxiliary Contact	HKF1-10	1	piece
1SAM201902R1002	HK1-20 Auxiliary Contact	HK1-20	1	piece
1SAM201902R1202	HK1-20K Auxiliary Contact	HK1-20K	1	piece
1SAM201902R1001	HK1-11 Auxiliary Contact	HK1-11	1	piece
1SAM201902R1201	HK1-11K Auxiliary Contact	HK1-11K	1	piece
1SAM201902R1003	HK1-02 Auxiliary Contact	HK1-02	1	piece
1SAM201902R1203	HK1-02K Auxiliary Contact	HK1-02K	1	piece
1SAM201902R1004	HK1-20L Auxiliary Contact	HK1-20L	1	piece
1SAM201902R1204	HK1-20LK Auxiliary Contact	HK1-20LK	1	piece
1SAM201903R1002	SK1-20 Signaling Contact	SK1-20	1	piece
1SAM201903R1202	SK1-20K Signaling Contact	SK1-20K	1	piece
1SAM201903R1005	SK1-20AR Signaling Contact	SK1-20AR	1	piece
1SAM201903R1205	SK1-20ARK Signaling Contact	SK1-20ARK	1	piece
1SAM201903R1001	SK1-11 Signaling Contact	SK1-11	1	piece
1SAM201903R1201	SK1-11K Signaling Contact	SK1-11K	1	piece

1SAM201903R1004	SK1-11AR Signaling Contact	SK1-11AR	1	piece
1SAM201903R1204	SK1-11ARK Signaling Contact	SK1-11ARK	1	piece
1SAM201903R1003	SK1-02 Signaling Contact	SK1-02	1	piece
1SAM201903R1203	SK1-02K Signaling Contact	SK1-02K	1	piece
1SAM201903R1006	SK1-02AR Signaling Contact	SK1-02AR	1	piece
1SAM201903R1206	SK1-02ARK Signaling Contact	SK1-02ARK	1	piece
1SAM301901R1002	CK1-20 Short Circuit Signaling Contact	CK1-20	1	piece
1SAM301901R1001	CK1-11 Short Circuit Signaling Contact	CK1-11	1	piece
1SAM301901R1003	CK1-02 Short Circuit Signaling Contact	CK1-02	1	piece
1SAM201910R1001	AA1-24 Shunt Trip	AA1-24	1	piece
1SAM201910R1002	AA1-110 Shunt Trip	AA1-110	1	piece
1SAM201910R1003	AA1-230 Shunt Trip	AA1-230	1	piece
1SAM201910R1004	AA1-400 Shunt Trip	AA1-400	1	piece
1SAM201904R1010	UA1-20 Undervoltage Release	UA1-20	1	piece
1SAM201904R1001	UA1-24 Undervoltage Release	UA1-24	1	piece
1SAM201904R1002	UA1-48 Undervoltage Release	UA1-48	1	piece
1SAM201904R1003	UA1-60 Undervoltage Release	UA1-60	1	piece
1SAM201904R1004	UA1-110 Undervoltage Release	UA1-110	1	piece
1SAM201904R1008	UA1-208 Undervoltage Release	UA1-208	1	piece
1SAM201904R1005	UA1-230 Undervoltage Release	UA1-230	1	piece
1SAM201904R1006	UA1-400 Undervoltage Release	UA1-400	1	piece
1SAM201904R1007	UA1-415 Undervoltage Release	UA1-415	1	piece
1SAM201904R1009	UA1-575 Undervoltage Release	UA1-575	1	piece
1SAM301903R1002	PS1-2-0-65K Busbar	PS1-2-0-65K	1	piece
1SAM301903R1003	PS1-3-0-65K Busbar	PS1-3-0-65K	1	piece
1SAM301903R1004	PS1-4-0-65K Busbar	PS1-4-0-65K	1	piece
1SAM301903R1005	PS1-5-0-65K Busbar	PS1-5-0-65K	1	piece
1SAM301903R1012	PS1-2-1-65K Busbar	PS1-2-1-65K	1	piece
1SAM301903R1013	PS1-3-1-65K Busbar	PS1-3-1-65K	1	piece
1SAM301903R1014	PS1-4-1-65K Busbar	PS1-4-1-65K	1	piece
1SAM301903R1015	PS1-5-1-65K Busbar	PS1-5-1-65K	1	piece
1SAM201909R1001	FS116 Screw Fixing Kit	FS116	1	piece
1SAM301913R1001	TS1-M3-K Terminal Spacer	TS1-M3-K	1	piece
GJF1101903R0002	SA2 Dispositivo enclavamiento	SA2	1	piece
1SAM201911R1012	IB132-F Enclosure	IB132-F	1	piece
1SAM201911R1010	IB132-G Enclosure	IB132-G	1	piece
1SAM201911R1011	IB132-Y Enclosure	IB132-Y	1	piece
1SAM201912R1010	DMS132-G Door Mounting Kit	DMS132-G	1	piece
1SAM201912R1011	DMS132-Y Door Mounting Kit	DMS132-Y	1	piece
1SAM201909R1021	MSAH1 Shaft Supporter	MSAH1	1	piece
1SAM201920R1011	MSHD-LTB Handles	MSHD-LTB	1	piece
1SAM201920R1012	MSHD-LTY Handles	MSHD-LTY	1	piece
1SAM201920R1000	MSH-AR Shaft Alignment Ring	MSH-AR	1	piece
1SAM101923R0002	MSMN Driver	MSMN	1	piece
1SAM101923R0012	MSMNO Driver	MSMNO	1	piece
1SCA101647R1001	OXS6X85 SHAFT	OXS6X85	1	piece
1SCA108043R1001	OXS6X105 SHAFT	OXS6X105	1	piece
1SCA101655R1001	OXS6X130 SHAFT	OXS6X130	1	piece
1SCA101659R1001	OXS6X180 SHAFT	OXS6X180	1	piece

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## Categories

Productos y sistemas de baja tensión → Aparatos de control → Guardamotores → Guardamotores

Productos y sistemas de baja tensión → Interruptores automáticos → Guardamotores

