

PRODUCT-DETAILS

## MS132-1.6KT

### MS132-1.6KT Circuit Breaker for Primary Transformer Protection 1.0 ... 1.6 A



#### Algemene informatie

Type	MS132-1.6KT
Artikelnummer	1SAM340010R1006
EAN	4013614535161
Omschrijving	MS132-1.6KT Circuit Breaker for Primary Transformer Protection 1.0 ... 1.6 A

Omschrijving	<p>The circuit breaker for transformer protection MS132-1.6KT is a compact 45 mm width device designed to protect control transformers on the primary side. This device has a rated operational current of <math>I_e = 1.6</math> A with Push-In Spring terminals. It allows fuseless protection against overload and short-circuit. The short-circuit current setting is fixed to 20 times the rated operational current to handle the high inrush current generated by transformers. The device allows manually connect and disconnect the transformer from the mains thanks of its built-in disconnection function. The circuit breaker for transformer protection offers a rated service short-circuit breaking capacity of <math>I_{cs} = 100</math> kA at 400 VAC and trip class 10. Further features are temperature compensation, trip-free mechanism, rotary handle with a clear switch position indication and short circuit trip indicator. The handle is lockable to protect against unauthorized changes. Auxiliary contacts, signalling contacts, undervoltage releases, shunt trips and terminal spacers are available as accessory.</p>
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#### Ordering

Minimale bestelhoeveelheid	1 stuk
Nummer douanetarief	85362010

## Popular Downloads

Gegevensblad, technische informatie	2CDC131058D0201
Instructies en handleidingen	2CDC131158M6801
Instructies en handleidingen (deel 2)	2CDC131060M0202
Time-Current Characteristic Curve	1SAM300535F0006
I <sup>2</sup> t Characteristic	1SAM300517F0001
CAD Dimensional Drawing	2CDC001079B0201
Marketing Video	9AKK107991A4712 2CDC131153V0201

## Dimensions

Product netto breedte	45 mm
Product netto hoogte	112 mm
Product netto diepte	87 mm
Product netto gewicht	0.298 kg

## Technical

Nominaal vermogen	(230 V AC) 100 kA
kortsluitvermogen (I <sub>cs</sub> )	(400 V AC) 100 kA
Nominaal ultiem kortsluitvermogen (I <sub>cu</sub> )	(400 V AC) 100 kA
Nominale directe kortsluitstroom instelling (I <sub>i</sub> )	32 A
Instelbereik	1.0 ... 1.6 A
Nominaal bedrijfsvoltage	Main Circuit 690 V AC
Nominale bedrijfsstroom (I <sub>e</sub> )	1.6 A
Toegekende frequentie (f)	Main Circuit 50 Hz Main Circuit 60 Hz
Werkfrequentie (f <sub>sw</sub> )	0 ... 400 Hz
Nominale impuls grensvoltage (U <sub>imp</sub> )	Main Circuit 6 kV
Nominaal isolatievoltage (U <sub>i</sub> )	690 V
Vermogensverlies	at Rated Operating Conditions per Pole 0.6 ... 1.6 W
Aantal polen	3
Conventionele vrije-lucht thermische stroom (I <sub>th</sub> )	Main Circuit 1.6 A
Beschermingsgraad	Behuizing IP20 Main Circuit Terminals IP20
Verontreinigingsgraad	3
Elektrische duurzaamheid	50000 cycle
Mechanische duurzaamheid	100000 cycle
Terminaltype	Push-in Spring Terminals
Verbindingscapaciteit hoofdcircuit	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>
Kabelstriplengte	Main Circuit 12 mm
Plaats van inbouw	1 ... 6
Montage op 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
Minimale montageafstand	Electrical Conductive Board, Vertical 75 mm Other Device Same Type, Horizontal 9 mm Other Device Same Type, Vertical 150 mm
Bedieningswijze	Rotary Handle
Statusindicator	ON / OFF / TRIP
Normen	IEC/EN 60947-1 IEC/EN 60947-2 IEC/EN 60947-4-1

## Technical UL/CSA

Kortsluitstroomwaarde (SCCR)	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
Maximale bedrijfsspanning UL/CSA	Main Circuit 600 V AC
Paardenkrachtklasse UL/CSA	(220 ... 240 V AC) Single Phase 0.1 Hp
Vollast amps motorgebruik	(120 V AC) Single Phase 1.6 A (220 ... 240 V AC) Single Phase 1.6 A
Locked Rotor Amps	(120 V AC) Single Phase 9.6 A (220 ... 240 V AC) Single Phase 9.6 A
Verbindingscapaciteit hoofdcircuit UL/CSA	Stranded 1/2x 18-10 AWG Stranded 1x 8 AWG

## Environmental

Omgevingsluchttemperatuur	Around the Enclosure 0 ... +40 °C Werking -25 ... +70 °C Operation Compensated -25 ... +60 °C Opslag -50 ... +80 °C
Compensatie omgevingsluchttemperatuur	Yes
Maximale werkhoogte toegestaan	2000 m
Schokweerstand volgens IEC 60068-2-27	11 ms Pulse 25g
Weerstand tegen trillingen volgens IEC 60068-2-6	5g / 3 ... 150 Hz
RoHS-status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

## Certificates and Declarations

CQC-certificaat	CQC2017010307034621
Declaration of Conformity - CCC	2020980307004600
Conformiteitsverklaring - CE	1SAD101100-3404
Declaration of Conformity - UKCA	1SAD201100-3404
I <sup>2</sup> t Characteristic	1SAM300517F0001
KC-certificaat	1SAA963002-1502

RMRS-certificaat

1SAA918000-0704

UL-certificaat

E137861-20090225

## Container Information

Pakketniveau 1 Units	doos 1 stuk
Pakketniveau 1 Breedte	50 mm
Pakketniveau 1 Lengte	117 mm
Pakketniveau 1 Hoogte	82 mm
Pakketniveau 1 Brutogewicht	0.324 kg
Pakketniveau 1 EAN	4013614535161
Pakketniveau 2 Units	karton 28 stuk
Pakketniveau 2 Breedte	280 mm
Pakketniveau 2 Lengte	395 mm
Pakketniveau 2 Hoogte	210 mm
Pakketniveau 2 Brutogewicht	13.386 kg
Pakketniveau 2 EAN	4013614535482

## Classifications

Object classificatiecode	F
ETIM 5	EC000228 - Power circuit-breaker for trafo/generator/installation prot.
ETIM 6	EC000228 - Vermogensautomaat
ETIM 7	EC000228 - Power circuit-breaker for trafo/generator/installation protection
ETIM 8	EC000228 - Vermogensschakelaar voor trafo-, generator- en installatiebeveiliging
eClass	V11.0 : 27370409
UNSPSC	39121601
IGCC (IDEA granulaire categoriecode)	4813 >> Circuit breakers
E-Number (Finland)	3709083

## 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 Terminals and Installation Material	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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## Categorieën

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Laagspanningsproducten en -systemen → Control Producten → Handmatige motorstarters → Manual Motor Starters for Special Use

