

PRODUCT-DETAILS

# MS132-0.16KT

## MS132-0.16KT Circuit Breaker for Primary Transformer Protection 0.10 ... 0.16 A



### Informations générales

Extension du type de produit	MS132-0.16KT
Code de produit	1SAM340010R1001
EAN	4013614535116
Description courte	MS132-0.16KT Circuit Breaker for Primary Transformer Protection 0.10 ... 0.16 A

#### Description longue

The circuit breaker for transformer protection MS132-0.16KT is a compact 45 mm width device designed to protect control transformers on the primary side. This device has a rated operational current of  $I_e = 0.16$  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  $I_{cs} = 100$  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.

### Commande

Quantité minimum	1 pièce
Code douanier	85362010

### Popular Downloads

Fiche produit, informations	2CDC131058D0201
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## techniques

Instructions et manuels	2CDC131158M6801
Instructions et manuels (Partie 2)	2CDC131060M0202
Time-Current Characteristic Curve	1SAM300535F0001
I <sub>t</sub> Characteristic	1SAM300517F0001
CAD Dimensional Drawing	2CDC001079B0201
Marketing Video	9AKK107991A4712 2CDC131153V0201

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**Dimensions**

Produit Largeur Net	45 mm
Produit Hauteur Net	112 mm
Produit Longueur Net	87 mm
Poids net	0.256 kg

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**Technique**

Pouvoir assigné de coupure de service en court-circuit ( $I_{cs}$ )	(230 V AC) 100 kA (400 V AC) 100 kA
Pouvoir assigné de coupure ultime en court-circuit ( $I_{cu}$ )	(400 V AC) 100 kA
Courant assigné instantané de réglage de court-circuit ( $I_i$ )	3.2 A
Setting Range	0.10 ... 0.16 A
Tension	Circuit principal 690 V AC
Courant nominal de fonctionnement ( $I_n$ )	0.16 A
Fréquence assignée (f)	Circuit principal 50 Hz Circuit principal 60 Hz
Operating Frequency ( $f_{sw}$ )	0 ... 400 Hz
Tension assignée de tenue aux chocs ( $U_{imp}$ )	Circuit principal 6 kV
Tension assignée d'isolement ( $U_i$ )	690 V
Power Loss	at Rated Operating Conditions per Pole 0.6 ... 1.5 W
Nombre de pôles	3
Courant thermique conventionnel à l'air libre ( $I_{th}$ )	Main Circuit 0.16 A
Indice de protection	Housing IP20 Main Circuit Terminals IP20
Degré de pollution	3
Electrical Durability	50000 cycle
Durabilité mécanique	100000 cycle
Type de borne	Push-in Spring Terminals
Connecting Capacity Main Circuit	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>

Wire Stripping Length	Main Circuit 12 mm
Type d'encastrement	1 ... 6
Montage sur rail DIN	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, Vertical 75 mm Other Device Same Type, Horizontal 9 mm Other Device Same Type, Vertical 150 mm
Actuator Type	Rotary Handle
Contact Position Indication	ON / OFF / TRIP
Normes et standards	IEC/EN 60947-1 IEC/EN 60947-2 IEC/EN 60947-4-1

## Technique UL/CSA

Short-Circuit Current Rating (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
Maximum Operating Voltage UL/CSA	Circuit principal 600 V AC
Full Load Amps Motor Use	(120 V AC) Single Phase 0.16 A (220 ... 240 V AC) Single Phase 0.16 A
Locked Rotor Amps	(120 V AC) Single Phase 0.96 A (220 ... 240 V AC) Single Phase 0.96 A
Connecting Capacity Main Circuit UL/CSA	Stranded 1/2x 18-10 AWG Stranded 1x 8 AWG

## Environnement

Température de l'air ambiant	Around the Enclosure 0 ... +40 °C Operation -25 ... +70 °C Operation Compensated -25 ... +60 °C Storage -50 ... +80 °C
Ambient Air Temperature Compensation	Oui
Altitude de fonctionnement maximale autorisée	2000 m
Résistance aux chocs selon CEI 60068-2-27	11 ms Pulse 25g
Resistance to Vibrations acc. to IEC 60068-2-6	5g / 3 ... 150 Hz
Statut RoHS	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

## Certificats et Déclarations (Numéro de document)

CQC Certificate	CQC2017010307034621
Declaration of Conformity - CCC	2020980307004600
Déclaration de Conformité - CE	1SAD101100-3404
Declaration of Conformity - UKCA	1SAD201100-3404
I <sup>pt</sup> Characteristic	1SAM300517F0001
KC Certificate	1SAA963002-1502
Certificat RMRS	1SAA918000-0704
Certificat UL	E137861-20090225

## Emballage

Emballage Niveau 1 Unités	box 1 pièce
Emballage Niveau 1 Largeur	50 mm
Emballage Niveau 1 Longueur	117 mm
Emballage Niveau 1 Hauteur	82 mm
Emballage Niveau 1 Poids	0.282 kg
Emballage Niveau 1 EAN	4013614535116
Emballage Niveau 2 Unités	carton 28 pièce
Emballage Niveau 2 Largeur	280 mm
Emballage Niveau 2 Longueur	395 mm
Emballage Niveau 2 Hauteur	210 mm
Emballage Niveau 2 Poids	13.386 kg
Emballage Niveau 2 EAN	4013614535420

## Classifications

Code de classification d'objet	F
ETIM 5	EC000228 - Power circuit-breaker for trafo/generator/installation prot.
ETIM 6	EC000228 - disjoncteur pour transformateur, générateur et protection d'installation
ETIM 7	EC000228 - Power circuit-breaker for trafo/generator/installation protection
ETIM 8	EC000228 - Power circuit-breaker for trafo/generator/installation protection
eClass	V11.0 : 27370409
UNSPSC	39121601
Code de catégorie granulaire IDÉA (IGCC)	4813 >> Circuit breakers
E-Number (Finland)	3709078

## Accessories

Identifiant	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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## Catégories

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Produits basse tension → Produits de Contrôle, Protection et sécurité machines → Disjoncteurs-moteurs → Manual Motor Starters for Special Use

