



Automatización Eléctrica

Especialistas en Automatización

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General Information

Extended Product Type:	MS132-1.0T
Product ID:	1SAM340000R1005
EAN:	4013614484957
Catalog Description:	MS132-1.0T Circuit Breaker for Primary Transformer Protection
Long Description:	The circuit breaker for transformer protection MS132-1.0T is a compact 45 mm width device designed to protect control transformers on the primary side. This device has a rated operational current of $I_e = 1.0$ A. It allows fuse-less 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 a 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, power in-feed blocks are available as accessory.

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

Ordering

EAN:	4013614484957
Minimum Order Quantity:	1 piece
Customs Tariff Number:	85362010

Dimensions

Product Net Width:	45 mm
Product Net Height:	90 mm
Product Net Depth:	86.75 mm
Product Net Weight:	0.215 kg

Container Information

Package Level 1 Units:	1 piece
Package Level 1 Width:	92 mm
Package Level 1 Height:	50 mm
Package Level 1 Length:	95 mm
Package Level 1 Gross Weight:	0.23 kg
Package Level 2 Units:	40 piece
Package Level 2 Width:	280 mm
Package Level 2 Height:	210 mm
Package Level 2 Length:	395 mm
Package Level 2 Gross Weight:	9.586 kg
Package Level 2 EAN:	4013614487156

Environmental

Ambient Air Temperature:	Around the Enclosure 0 ... +40 °C Operation -25 ... +70 °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 2002/95/EC August 18, 2005 and amendment

Additional Information

Actuator Type:	Rotary Handle
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
Conventional Free-air Thermal Current (I_{th}):	1 A Main Circuit 1 A
Degree of Protection:	IP20
Electrical Durability:	50000 cycle
Mechanical Durability:	100000 cycle
Mounting Position:	Position 1 to 6
Number of Poles:	3
Number of Protected Poles:	3
Pollution Degree:	3
Power Loss:	at Rated Operating Conditions per Pole 0.6 ... 1.5 W
Product Main Type:	MS132
Product Name:	Circuit Breaker for Primary Transformer Protection
Rated Frequency (f):	Main Circuit 50 Hz Main Circuit 60 Hz
Rated Impulse Withstand Voltage (U_{imp}):	Main Circuit 6 kV
Rated Instantaneous Short-Circuit Current Setting (I_i):	20 A
Rated Insulation Voltage (U_i):	690 V
Rated Operational Current (I_e):	1 A
Rated Operational Voltage:	Main Circuit 690 V AC
Rated Uninterrupted Current (I_u):	1 A
Recommended Screw Driver:	M4 Pozidriv 2
RoHS Date:	0149
Setting Range:	0.63 ... 1 A
Standards:	IEC/EN 60947-1 IEC/EN 60947-2 IEC/EN 60947-4-1
Terminal Type:	Screw Terminals
Tightening Torque:	Main Circuit 0.8 ... 1.2 N·m
Wire Stripping Length:	Main Circuit 9 mm

Certificates and Declarations (Document Number)

CCC Certificate:	1SAA963001-3804
cULus Certificate:	cUL_E137861
Data Sheet, Technical Information:	2CDC131058D0201
Data Sheet, Technical Information (Part 2):	1SAM300535F0005
Declaration of Conformity - CE:	1SAD938501-0188
GOST Certificate:	1SAA937000-2703
RoHS Information:	1SAA963002-4405

Classifications

eClass:	7.0 27370409
ETIM 4:	EC000228 - Power circuit-breaker for trafo/generator/installation prot.
ETIM 5:	EC000228 - Power circuit-breaker for trafo/generator/installation prot.
Object Classification Code:	F





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- Purchasing management, order record and tracking of shipments.

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Product	Code	Reference	Product link
MS132-1.0T Circuit Breaker for Primary Transformer Protection	1SAM340000R1005	MS132-1.0T	Buy on EAN