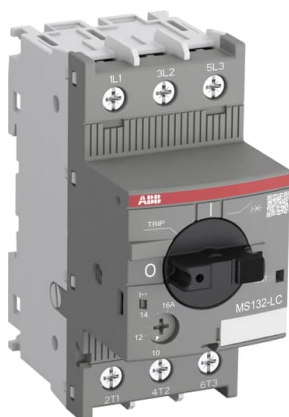


PRODUCT-DETAILS

# MS132-16LC

## MS132-16LC Lamp Circuit Breaker 10 ... 16 A



### General Information

Extended Product Type	MS132-16LC
Product ID	1SAM350300R1011
EAN	4013614560712
Catalog Description	MS132-16LC Lamp Circuit Breaker 10 ... 16 A

#### Long Description

The MS132-16LC lamp circuit breaker is a compact 45 mm width device with a rated operational current of  $I_e = 16.0$  A. This device is used to manually switch on and off lamp loads (typically LED lamps or loads with similar characteristics) and to protect them reliably and without the need for a fuse from short-circuits, overload and phase failures. The lamp circuit breaker offers a rated service short-circuit breaking capacity  $I_{cs} = 50$  kA at 400 VAC. Further features are the build-in disconnect function, temperature compensation, trip-free mechanism and a rotary handle with a clear switch position indication. The lamp circuit breaker 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](#).

### Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85362010

### Popular Downloads

Instructions and Manuals	1SAC200070M0001
Time-Current Characteristic Curve	1SAM300565F0011

I <sub>t</sub> Characteristic	1SAM300567F0001
Cut-off Current Characteristic	1SAM300568F0001
CAD Dimensional Drawing	2CDC001079B0201

## Dimensions

Product Net Width	45 mm
Product Net Height	97.8 mm
Product Net Depth / Length	86.55 mm
Product Net Weight	0.31 kg

## Technical

Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> )	(230 V AC) 50 kA (400 V AC) 50 kA
Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> )	(230 V AC) 50 kA (400 V AC) 50 kA
Rated Instantaneous Short-Circuit Current Setting (I <sub>i</sub> )	120 A
Setting Range	10 ... 16 A
Rated Operational Voltage	Main Circuit 400 V AC
Rated Operational Current (I <sub>e</sub> )	16 A
Rated Frequency (f)	Main Circuit 50 Hz Main Circuit 60 Hz
Rated Impulse Withstand Voltage (U <sub>imp</sub> )	Main Circuit 6 kV
Rated Insulation Voltage (U <sub>i</sub> )	690 V
Power Loss	at Rated Operating Conditions per Pole 1.1 ... 2.8 W
Number of Poles	3
Conventional Free-air Thermal Current (I <sub>th</sub> )	Main Circuit 16 A
Degree of Protection	Housing IP20 Main Circuit Terminals IP10
Pollution Degree	3
Electrical Durability	50000 cycle
Mechanical Durability	100000 cycle
Terminal Type	Screw Terminals
Connecting Capacity Main Circuit	Flexible with Ferrule 1/2x 0.75 ... 6 mm <sup>2</sup> Flexible with Insulated Ferrule 1/2x 0.75 ... 6 mm <sup>2</sup> Flexible 1/2x 1 ... 2.5 mm <sup>2</sup> Flexible 1/2x 2.5 ... 6 mm <sup>2</sup> Rigid 1/2x 1 ... 2.5 mm <sup>2</sup> Rigid 1/2x 2.5 ... 6 mm <sup>2</sup>
Tightening Torque	Main Circuit 2 N·m
Wire Stripping Length	Main Circuit 10 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	ON / OFF / TRIP

Indication	
Standards	IEC/EN 60947-1 IEC/EN 60947-2

## Environmental

Ambient Air Temperature	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 acc. to 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

Cut-off Current Characteristic	1SAM300568F0001
Declaration of Conformity - CE	1SAD101100-3406
Declaration of Conformity - UKCA	1SAD201100-3406
EAC Certificate	1SAA963005-2702
I <sup>2</sup> t Characteristic	1SAM300567F0001

## Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	50 mm
Package Level 1 Depth / Length	102 mm
Package Level 1 Height	92 mm
Package Level 1 Gross Weight	0.325 kg
Package Level 1 EAN	4013614561627
Package Level 2 Units	carton 40 piece
Package Level 2 Width	50 mm
Package Level 2 Depth / Length	102 mm
Package Level 2 Height	92 mm
Package Level 2 Gross Weight	13.386 kg
Package Level 2 EAN	4013614560736

## Classifications

Object Classification Code	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
eClass	V11.0 : 27370401
UNSPSC	39121521
IDEA Granular Category Code (IGCC)	4845 >> 3 Pole Motor Circuit Protector Circuit Breakers

---

## Categories

---

Low Voltage Products and Systems → Control Products → Manual Motor Starters → Manual Motor Starters for Special Use

