





MS132-32

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General Information

Extended Product Type:

MS132-32

Product ID:

1SAM350000R1015

EAN:

4013614400155

Catalog Description:

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

Long Description:

The MS132-32 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. This device is used to manually switch on and off motors and to protect them reliably and without the need for... [Show more](#)

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1 piece

Customs Tariff Number:

85362010

Popular Downloads**Data Sheet, Technical Information:**[Data sheet - Manual Motor Starter MS132](#)**Instructions and Manuals:**[Installation Instructions - Manual Motor Starter MS132 MS132-B](#)**Instructions and Manuals (Part 2):**[Manual Motor Starter Guide](#)**Ex Operating Instructions:**[ATEX - Operating instructions for Manual Motor Starters MS132 for potentially explosive areas](#)**Time-Current Characteristic Curve:**[Tripping characteristic - Manual Motor Starter MS132-32.0](#)**I²t Characteristic:**[I²t - Characteristic @ 400V - Manual Motor Starter MS132](#)[I²t - Characteristic @ 690V - Manual Motor Starter MS132](#)**Cut-off Current Characteristic:**[Cut-off Current Characteristic @ 400V - Manual Motor Starter MS132](#)[Cut-off Current Characteristic @ 690V - Manual Motor Starter MS132](#)**CAD Dimensional Drawing:**[Information - 2D and 3D files for CAD systems](#)**Dimension Diagram:**[Dimension Drawing - MS132 \(>10A\) Manual Motor Starter](#)**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_{cs}):**

(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

Rated Ultimate Short-Circuit Breaking Capacity (I_{cu}):

(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

Rated Instantaneous Short-Circuit Current Setting (I_i):

480 A

Setting Range:

25 ... 32 A

Rated Operational Power AC-3 (P_e):

(400 V) Three Phase 15 kW

Rated Operational Power AC-3e (P_e):

(400 V) Three Phase 15 kW

Rated Operational Voltage:

Main Circuit 690 V AC

Main Circuit 250 V DC

Rated Operational Current (I_e):

32 A

Rated Operational Current AC-3 (I_e):

32 A

Rated Operational Current AC-3e (I_e):

32 A

Rated Operational Current DC-5 (I_e):

32 A

Rated Frequency (f):

Main Circuit 50 Hz

Main Circuit 60 Hz

Operating Frequency (f_{sw}):

0 ... 400 Hz

Rated Impulse Withstand Voltage (U_{imp}):

Main Circuit 6 kV

Rated Insulation Voltage (U_i):

690 V

Power Loss:

at Rated Operating Conditions per Pole 1.9 ... 3.1 W

Number of Poles:

3P

Conventional Free-air Thermal Current (I_{th}):

Main Circuit 32 A

Degree of Protection:

Housing IP20

Main Circuit Terminals IP10

Pollution Degree:

3

Electrical Durability:

50000 cycle

Mechanical Durability:

Nr. Operations 100000 cycle

Terminal Type:

Screw Terminals

Connecting Capacity Main Circuit:Flexible with Ferrule 1/2x 0.75 ... 6 mm²Flexible with Insulated Ferrule 1/2x 0.75 ... 6 mm²Flexible 1/2x 1 ... 2.5 mm²Flexible 1/2x 2.5 ... 6 mm²Rigid 1/2x 1 ... 2.5 mm²Rigid 1/2x 2.5 ... 6 mm²**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 Indication:

ON / OFF / TRIP

Standards:

IEC/EN 60947-1

IEC/EN 60947-2

IEC/EN 60947-4-1

UL 60947-1

UL 60947-4-1

IEC 60335-2-40 A2L

Remarks:

UL508 Self-Protected Combination Motor Controller (Type E) in combination with feeder block S1-M3-xx

Technical UL/CSA

Short-Circuit Current Rating (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) 35 kA

Any UL Listed Fuses or Circuit-Breakers, Group Installations (600 V AC) 35 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

Maximum Operating Voltage UL/CSA:

Main Circuit 600 V AC

Horsepower Rating 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

Full Load Amps Motor Use:

(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

Locked Rotor Amps:

(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

General Use Rating UL/CSA:

(600 V AC) 32 A

Connecting Capacity Main Circuit UL/CSA:

Flexible 1/2x 16-8 AWG

Stranded 1/2x 16-8 AWG

Tightening Torque UL/CSA:

Main Circuit 18 in-lb

Environmental

Ambient Air Temperature:

Around the Enclosure 0 ... +40 °C

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:

5g 3 ... 150 Hz

Material Compliance

Conflict Minerals Reporting Template (CMRT):[CMRT - Conflict Minerals Reporting Template](#)**REACH Declaration:**[REACH Declaration for all Manual Motor Starters](#)**RoHS Information:**[RoHS II Declaration for all Manual Motor Starters](#)**RoHS Status:**

Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

Toxic Substances Control Act - TSCA:[Toxic Substances Control Act \(TSCA\) declaration for Manual Motor starters](#)**WEEE B2C / B2B:**

Business To Business

WEEE Category:

5. Small Equipment (No External Dimension More Than 50 cm)

ABB EcoSolutions**End Of Life Disassembling Instructions:**[End of life instruction MS132 / MO132](#)**Environmental Product Declaration - EPD:**[Environmental Product Declaration PEP MS132/MO132 \(DE\)](#)[Environmental Product Declaration PEP MS132/MO132 \(CN\)](#)**Certificates and Declarations****A2L Certificate – IEC:**[A2L Certificate - MS132, MO132, MS116 series, HK1, HKF1, SK1, CK1 - Manual Motor Starter](#)**ABS Certificate:**[ABS Certificate - MS132, MO132, HK1, HKF1, SK1, CK1, UA1, AA1 - Manual Motor Starter](#)**ATEX Certificate:**[ATEX Certificate - MS132, MS132-K - Manual Motor Starter](#)**BV Certificate:**[BV Certificate - MS132, MS132-K, MO132 - Manual Motor Starters](#)**CB Certificate:**[CB Certificate - MS132, MO132 - Manual Motor Starter - DE](#)[CB Certificate - MS132 - Manual Motor Starter - CN](#)**CCC Certificate:**[CCC Certificate, Motor protection circuit breaker, MS132, Made in China](#)[CCC Certificate, Motor protection circuit breaker, MS132, MO132, MS132-T, MS132-B, MO132-B, MS132-L, Made in Germany](#)**CQC Certificate:**[CQC Certificate, Motor protection circuit breaker, MS132, MO132, MS132-T, MS132-B, MO132-B, MS132-L, Made in Germany](#)[CQC Certificate, Motor protection circuit breaker, MS132, Made in China](#)**Cut-off Current Characteristic:**[Cut-off Current Characteristic @ 400V -Manual Motor Starter MS132](#)[Cut-off Current Characteristic @ 690V -Manual Motor Starter MS132](#)**Declaration of Conformity - CCC:**[CCC Declaration of Conformity, Motor protection circuit breaker, MS132, MO132, MS132-T, MS132-B, MO132-B, MS132-L, Made in Germany](#)[CCC Declaration of Conformity, Motor protection circuit breaker, MS132, Made in China](#)**Declaration of Conformity - CE:**[EU Declaration of Conformity - MS132-x, MS132-xK - Manual Motor Starter](#)**Declaration of Conformity - UKCA:**

UK Declaration of Conformity - MS132-x, MS132-xK - Manual Motor Starter

DNV GL Certificate:

DNV Certificate - MS132, MS132-K, MO132, HK1, HKF1, SK1, CK1, UA1, AA1

EAC Certificate:

EAC Certificate - MS116, MS132, MO132, MS165, MO165, HKF1-11 - Manual Motor Starters

I²t Characteristic:

I²t - Characteristic @ 400V - Manual Motor Starter MS132

I²t - Characteristic @ 690V - Manual Motor Starter MS132

IECEx Certificate:

IECEx Certificate - MS132, MS132-K - Manual Motor Starter

KC Certificate:

KC Certificate - MS132, MO132, MS132-T, MS132-B, MS132-K

LR Certificate:

1SAA963001-0502

RINA Certificate:

Rina Certificate - MS132, MO132, MS132-K, HK1, HK1-K, HKF1, HKF1-K, SK1, SK1-K, CK1, UA1, AA1

RMRS Certificate:

RMRS Certificate - MS116, MS132, MO132, MS165, MO165, MS225, MS325, MO325, MS450, MS451, MS495, MS496, MS497 - Manual Motor Starters

UL Certificate:

UL Certificate of Compliance - MS132, MO132 - Manual Motor Starters

UL Certificate of Compliance - MS132, MO132 Type E/F - Manual Motor Starters

Container Information

Package Level 1 Units:

box 1 piece

Package Level 1 Width:

92 mm

Package Level 1 Depth / Length:

102 mm

Package Level 1 Height:

50 mm

Package Level 1 Gross Weight:

0.325 kg

Package Level 1 EAN:

4013614400155

Package Level 2 Units:

carton 40 piece

Package Level 2 Width:

280 mm

Package Level 2 Depth / Length:

395 mm

Package Level 2 Height:

210 mm

Package Level 2 Gross Weight:

13.386 kg

Package Level 2 EAN:

4013614409059

External Classifications and Standards

Object Classification Code:

F

ETIM 4:

EC000074 - Motor protective circuit-breaker

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):

4731 >> Manual Starters

E-Number (Finland):

3705999

E-Number (Norway):

4364083

E-Number (Sweden):

3112130

Accessories

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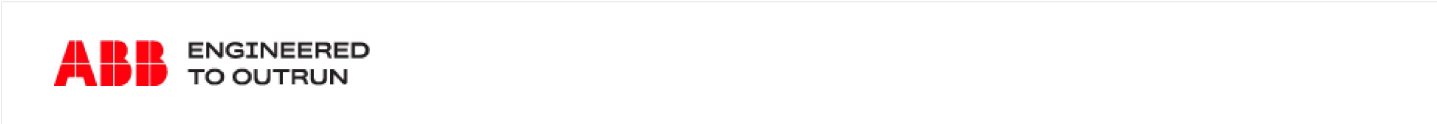
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1SAM201901R1201	HKF1-11K Aux.-contact for frontmounting with Push-In terminals	HKF1-11K	1	piece	
1SAM201901R1002	HKF1-20 Aux.-contact 2NO, front mounting	HKF1-20	1	piece	
1SAM201901R1202	HKF1-20K Aux.-contact for frontmounting with Push-In terminals	HKF1-20K	1	piece	
1SAM201901R1004	HKF1-01 Aux.-contact for front mounting	HKF1-01	1	piece	



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