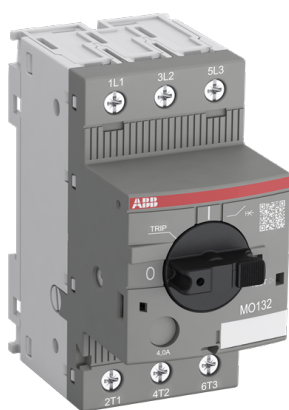


PRODUCT-DETAILS

MO132-0.16

MO132-0.16 Manual Motor Starter Magnetic Only 0.16 A



Informations générales

| | |
|------------------------------|------------------------------------------------------|
| Extension du type de produit | MO132-0.16 |
| Code de produit | 1SAM36000R1001 |
| EAN | 4013614400162 |
| Description courte | MO132-0.16 Manual Motor Starter Magnetic Only 0.16 A |

Description longue

The MO132-0.16 manual motor starter magnetic only is a compact 45 mm width device with a rated operational current of $I_e = 0.16$ A. This device is used to manually switch on and off loads/motors and to protect them reliably and without the need for a fuse from short-circuits. The manual motor starter offers a rated service short-circuit breaking capacity $I_{cs} = 100$ kA at 400 V AC. A combination together with overload relays or motor controllers allows the protection of motors. Further features are the built-in disconnect function, trip-free mechanism and a rotary handle with a clear switch position indication. The manual motor starter magnetic only is suitable for three- and single-phase applications. The handle is lockable to protect against unauthorized changes. Auxiliary contacts, signalling contacts, undervoltage releases, shunt trips, 3-phase bus bars, power in-feed blocks are available as accessory.

Commande

| | |
|------------------|----------|
| Quantité minimum | 1 pièce |
| Code douanier | 85362010 |

Downloads Préférés

| | |
|----------------------------------------|-----------------|
| Fiche produit, informations techniques | 2CDC131035D0202 |
|----------------------------------------|-----------------|

| | |
|---------------------------------------|------------------------------------|
| Instructions et manuels | 2CDC131034M6801 |
| Instructions et manuels (Partie 2) | 2CDC131060M0202 |
| Time-Current Characteristic Curve | 1SAM300515F0001 |
| I ^t Characteristic | 1SAM300507F0001 1SAM300507F0003 |
| Cut-off Current Characteristic | 1SAM300508F0001 1SAM300508F0003 |
| CAD Dimensional Drawing | 2CDC001079B0201 |
| Schéma dimensionnel | 1SAM300402F0001 |

Dimensions

| | |
|----------------------|----------|
| Produit Largeur Net | 45 mm |
| Produit Hauteur Net | 90 mm |
| Produit Longueur Net | 86.75 mm |
| Poids net | 0.215 kg |

Technique

| | |
|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| Pouvoir assigné de coupure de service en court-circuit (I _{CS}) | (230 V AC) 100 kA (400 V AC) 100 kA (440 V AC) 100 kA (500 V AC) 100 kA (690 V AC) 100 kA |
| Pouvoir assigné de coupure ultime en court- circuit (I _{CU}) | (230 V AC) 100 kA (400 V AC) 100 kA (440 V AC) 100 kA (500 V AC) 100 kA (690 V AC) 100 kA |
| Courant assigné instantané de réglage de court-circuit (I _i) | 2 A |
| Setting Range | None |
| Puissance assignée d'emploi AC-3 (P _e) | (400 V) Three Phase 0.03 kW |
| Puissance assignée d'emploi AC-3e (P _e) | (400 V) Three Phase 0.03 kW |
| Tension | Circuit principal 690 V AC |
| Courant nominal de fonctionnement (I _e) | 0.16 A |
| Courant assignée d'emploi AC-3 (I _e) | 0.16 A |
| Courant assignée d'emploi AC-3e (I _e) | 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 1.7 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 IP10 |
| Degré de pollution | 3 |
| Electrical Durability | 50000 cycle |
| Durabilité mécanique | 100000 cycle |
| Type de borne | Screw Terminals |
| 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 |
| Couple de serrage | Main Circuit 0.8 ... 1.2 N·m |
| Wire Stripping Length | Main Circuit 9 mm |
| Recommended Screw Driver | Pozidriv 2 |
| 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, 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 |
| Normes et standards | IEC/EN 60947-1 IEC/EN 60947-2 IEC/EN 60947-4-1 UL 60947-1 UL 60947-4-1 |
| Remarques | For overload protection of the motors, an appropriate thermal or electronic overload relays must be used |

Technique UL/CSA

| | |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Short-Circuit Current Rating (SCCR) | Any UL Listed Fuses or Circuit-Breakers, Group Installations (480 V AC) 65 kA Any UL Listed Fuses or Circuit-Breakers, Group Installations (600 V AC) 47 kA Any UL Listed Fuses or Circuit-Breakers, Motor Disconnect (480 V AC) 65 kA Any UL Listed Fuses or Circuit-Breakers, Motor Disconnect (600 V AC) 47 kA 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 | (200 V AC) Three Phase 0.16 A (208 V AC) Three Phase 0.16 A (220 ... 240 V AC) Three Phase 0.16 A (440 ... 480 V AC) Three Phase 0.16 A (550 ... 600 V AC) Three Phase 0.16 A |
| Locked Rotor Amps | (200 V AC) Three Phase 0.96 A (208 V AC) Three Phase 0.96 A (220 ... 240 V AC) Three Phase 0.96 A (440 ... 480 V AC) Three Phase 0.96 A (550 ... 600 V AC) Three Phase 0.96 A |
| General Use Rating UL/CSA | (600 V AC) 0.16 A |
| Connecting Capacity Main Circuit UL/CSA | Flexible 1/2x 16-12 AWG Stranded 1/2x 16-12 AWG |
| Tightening Torque UL/CSA | Main Circuit 10 in·lb |

Environnement

| | |
|------------------------------------------------|-----------------------------------------------------------------------------------------|
| Température de l'air ambiant | Around the Enclosure 0 ... +40 °C Operation -25 ... +60 °C Storage -50 ... +80 °C |
| Ambient Air Temperature Compensation | Non |
| Altitude de fonctionnement maximale autorisée | 2000 m |
| REACH Declaration | 1SAA963005-4502 |
| 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 |
| Informations RoHS | 1SAA963006-4502 |
| Statut RoHS | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |

Certificats et Déclarations (Numéro de document)

| | |
|----------------------------------|--------------------------------------|
| Certificat ABS | 1SAA963001-0101 |
| Certificat BV | 1SAA963001-0202 |
| CB Certificate | 1SAA963002-2002 |
| CQC Certificate | CQC2010010307387700 |
| Cut-off Current Characteristic | 1SAM300508F0001 1SAM300508F0003 |
| Declaration of Conformity - CCC | 2020980307003526 |
| Déclaration de Conformité - CE | 1SAD101100-3403 |
| Declaration of Conformity - UKCA | 1SAD201100-3403 |
| DNV GL Certificate | 1SAA963001-0304 |
| EAC Certificate | 1SAA963000-2701 |
| I ^{pt} Characteristic | 1SAM300507F0001 1SAM300507F0003 |
| KC Certificate | 1SAA963002-1502 |
| Certificat LR | 1SAA963001-0502 |
| Certificat RINA | 1SAA963002-0802 |
| Certificat RMRS | 1SAA918000-0704 |
| Certificat UL | E137861-20090225 E345003-20090225 |

Emballage

| | |
|-----------------------------|-----------------|
| Emballage Niveau 1 Unités | box 1 pièce |
| Emballage Niveau 1 Largeur | 92 mm |
| Emballage Niveau 1 Longueur | 95 mm |
| Emballage Niveau 1 Hauteur | 50 mm |
| Emballage Niveau 1 Poids | 0.23 kg |
| Emballage Niveau 1 EAN | 4013614400162 |
| Emballage Niveau 2 Unités | carton 40 pièce |
| Emballage Niveau 2 Largeur | 280 mm |
| Emballage Niveau 2 | 395 mm |

Longueur

| | |
|-------------------------------|---------------|
| Emballage Niveau 2 Hauteur | 210 mm |
| Emballage Niveau 2 Poids | 9.586 kg |
| Emballage Niveau 2 EAN | 4013614443619 |

Classifications

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|------------------------------------------|---------------------------------------------|
| Code de classification d'objet | F |
| ETIM 4 | EC000074 - Motor protective circuit-breaker |
| ETIM 5 | EC000074 - Motor protective circuit-breaker |
| ETIM 6 | EC000074 - disjoncteur/démarrreur de moteur |
| ETIM 7 | EC000074 - Motor protection circuit-breaker |
| ETIM 8 | EC000074 - Motor protection circuit-breaker |
| eClass | V11.0 : 27370401 |
| UNSPSC | 39121521 |
| Code de catégorie granulaire IDEA (IGCC) | 4731 >> Manual Starters |
| E-Number (Finland) | 3705879 |
| E-Number (Sweden) | 3110029 |

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 |
| 1SAM201903R1001 | SK1-11 Signaling Contact | SK1-11 | 1 | piece |
| 1SAM201903R1201 | SK1-11K Signaling Contact | SK1-11K | 1 | piece |
| 1SAM201903R1003 | SK1-02 Signaling Contact | SK1-02 | 1 | piece |
| 1SAM201903R1203 | SK1-02K Signaling Contact | SK1-02K | 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 |
| 1SAM201906R1102 | PS1-2-0-65 Busbar | PS1-2-0-65 | 1 | piece |
| 1SAM201906R1112 | PS1-2-1-65 Busbar | PS1-2-1-65 | 1 | piece |
| 1SAM201906R1122 | PS1-2-2-65 Busbar | PS1-2-2-65 | 1 | piece |
| 1SAM201916R1103 | PS1-3-0-100 Busbar | PS1-3-0-100 | 1 | piece |
| 1SAM201906R1103 | PS1-3-0-65 Busbar | PS1-3-0-65 | 1 | piece |
| 1SAM201916R1113 | PS1-3-1-100 Busbar | PS1-3-1-100 | 1 | piece |
| 1SAM201906R1113 | PS1-3-1-65 Busbar | PS1-3-1-65 | 1 | piece |
| 1SAM201916R1123 | PS1-3-2-100 Busbar | PS1-3-2-100 | 1 | piece |
| 1SAM201906R1123 | PS1-3-2-65 Busbar | PS1-3-2-65 | 1 | piece |
| 1SAM201916R1104 | PS1-4-0-100 Busbar | PS1-4-0-100 | 1 | piece |
| 1SAM201906R1104 | PS1-4-0-65 Busbar | PS1-4-0-65 | 1 | piece |
| 1SAM201916R1114 | PS1-4-1-100 Busbar | PS1-4-1-100 | 1 | piece |
| 1SAM201906R1114 | PS1-4-1-65 Busbar | PS1-4-1-65 | 1 | piece |
| 1SAM201906R1124 | PS1-4-2-65 Busbar | PS1-4-2-65 | 1 | piece |
| 1SAM201916R1105 | PS1-5-0-100 Busbar | PS1-5-0-100 | 1 | piece |
| 1SAM201906R1105 | PS1-5-0-65 Busbar | PS1-5-0-65 | 1 | piece |
| 1SAM201916R1115 | PS1-5-1-100 Busbar | PS1-5-1-100 | 1 | piece |
| 1SAM201906R1115 | PS1-5-1-65 Busbar | PS1-5-1-65 | 1 | piece |
| 1SAM201906R1125 | PS1-5-2-65 Busbar | PS1-5-2-65 | 1 | piece |
| 1SAM201907R1101 | S1-M1-25 Power Infeed Block | S1-M1-25 | 1 | piece |
| 1SAM201907R1102 | S1-M2-25 Power Infeed Block | S1-M2-25 | 1 | piece |
| 1SAM201907R1103 | S1-M3-25 Power Infeed Block | S1-M3-25 | 1 | piece |
| 1SAM201913R1103 | S1-M3-35 Power Infeed Block | S1-M3-35 | 1 | piece |
| 1SAM201914R1002 | S1-PB1-25 Power Infeed Block | S1-PB1-25 | 1 | piece |
| 1SAM301911R1001 | TS1-M3-S1 Terminal Spacer | TS1-M3-S1 | 1 | piece |
| 1SAM301912R1001 | TS1-M3-S2 Terminal Spacer | TS1-M3-S2 | 1 | piece |
| 1SAM201914R1001 | PB1-1-32 Connecting Link | PB1-1-32 | 1 | piece |
| 1SAM201908R1001 | BS1-3 Protection Cover | BS1-3 | 1 | piece |
| 1SAM201909R1001 | FS116 Screw Fixing Kit | FS116 | 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 |

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|-----------------|----------------|----------|---|-------|
| 1SCA101655R1001 | OXS6X130 SHAFT | OXS6X130 | 1 | piece |
| 1SCA101659R1001 | OXS6X180 SHAFT | OXS6X180 | 1 | piece |

Catégories

Produits basse tension → Disjoncteurs de puissance → Disjoncteurs-moteurs

Produits basse tension → Produits de Contrôle, Protection et sécurité machines → Disjoncteurs-moteurs → Disjoncteurs-moteurs

