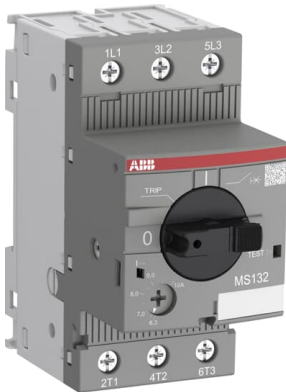




PRODUCT-DETAILS

# MS132-1.6

## MS132-1.6 Manual Motor Starter 1.0 ... 1.6 A



General Information

|                       |                                              |
|-----------------------|----------------------------------------------|
| Extended Product Type | MS132-1.6                                    |
| Product ID            | 1SAM350000R1006                              |
| EAN                   | 4013614400063                                |
| Catalog Description   | MS132-1.6 Manual Motor Starter 1.0 ... 1.6 A |

Long Description

The MS132-1.6 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  $I_e = 1.60$  A. This device is used to manually switch on and off motors and to protect them reliably and without the need for a fuse from short-circuits, overload and phase failures. The manual motor starter offers a rated service short-circuit breaking capacity  $I_{cs} = 100$  kA at 400 VAC and trip class 10. Further features are the build-in disconnect function, temperature compensation, trip-free mechanism and a rotary handle with a clear switch position indication. The manual motor starter 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                 |                                    |
|-----------------------------------|------------------------------------|
| Data Sheet, Technical Information | 2CDC131021D0202                    |
| Instructions and Manuals          | 2CDC131022M6802                    |
| Instructions and Manuals (Part 2) | 2CDC131060M0202                    |
| Ex Operating Instructions         | 2CDC131063M6801                    |
| Time-Current Characteristic Curve | 1SAM300505F0106                    |
| I <sup>2</sup> t Characteristic   | 1SAM300507F0001<br>1SAM300507F0003 |
| Cut-off Current Characteristic    | 1SAM300508F0001<br>1SAM300508F0003 |
| CAD Dimensional Drawing           | 2CDC001079B0201                    |
| Dimension Diagram                 | 1SAM300402F0001                    |

| Dimensions                 |          |
|----------------------------|----------|
| Product Net Width          | 45 mm    |
| Product Net Height         | 90 mm    |
| Product Net Depth / Length | 86.75 mm |
| Product Net Weight         | 0.265 kg |

| Technical                                                           |                                                                                                                                             |
|---------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> )    | (230 V AC) 100 kA<br>(250 V DC) 3 Poles in Series 10 kA<br>(400 V AC) 100 kA<br>(440 V AC) 100 kA<br>(500 V AC) 100 kA<br>(690 V AC) 100 kA |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> )   | (230 V AC) 100 kA<br>(400 V AC) 100 kA<br>(440 V AC) 100 kA<br>(500 V AC) 100 kA<br>(690 V AC) 100 kA                                       |
| Rated Instantaneous Short-Circuit Current Setting (I <sub>i</sub> ) | 20 A                                                                                                                                        |
| Setting Range                                                       | 1.0 ... 1.6 A                                                                                                                               |
| Rated Operational Power AC-3 (P <sub>e</sub> )                      | (400 V) Three Phase 0.55 kW                                                                                                                 |
| Rated Operational Power AC-3e (P <sub>e</sub> )                     | (400 V) Three Phase 0.55 kW                                                                                                                 |
| Rated Operational Voltage                                           | Main Circuit 690 V AC<br>Main Circuit 250 V DC                                                                                              |
| Rated Operational Current (I <sub>e</sub> )                         | 1.6 A                                                                                                                                       |
| Rated Operational Current AC-3 (I <sub>e</sub> )                    | 1.6 A                                                                                                                                       |
| Rated Operational Current AC-3e (I <sub>e</sub> )                   | 1.6 A                                                                                                                                       |
| Rated Operational Current DC-5 (I <sub>e</sub> )                    | 1.6 A                                                                                                                                       |
| Rated Frequency (f)                                                 | Main Circuit 50 Hz<br>Main Circuit 60 Hz                                                                                                    |
| Operating Frequency (f <sub>sw</sub> )                              | 0 ... 400 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 0.6 ... 1.7 W                                                                                                                                                                                                            |
| Number of Poles                                    | 3                                                                                                                                                                                                                                                               |
| Conventional Free-air Thermal Current ( $I_{th}$ ) | Main Circuit 1.6 A                                                                                                                                                                                                                                              |
| Degree of Protection                               | Housing IP20<br>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 ... 2.5 mm <sup>2</sup><br>Flexible with Insulated Ferrule 1/2x 0.75 ... 2.5 mm <sup>2</sup><br>Flexible 1/2x 0.75 ... 2.5 mm <sup>2</sup><br>Rigid 1/2x 1 ... 4 mm <sup>2</sup>                                                |
| Tightening Torque                                  | Main Circuit 0.8 ... 1.2 N·m                                                                                                                                                                                                                                    |
| Wire Stripping Length                              | Main Circuit 9 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<br>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<br>Electrical Conductive Board, Horizontal - Up to 690 V 1.5 mm<br>Electrical Conductive Board, Vertical 75 mm<br>Other Device Same Type, Horizontal 0 mm<br>Other Device Same Type, Vertical 150 mm |
| Actuator Type                                      | Rotary Handle                                                                                                                                                                                                                                                   |
| Contact Position Indication                        | ON / OFF / TRIP                                                                                                                                                                                                                                                 |
| Standards                                          | IEC/EN 60947-1<br>IEC/EN 60947-2<br>IEC/EN 60947-4-1<br>UL 60947-1<br>UL 60947-4-1                                                                                                                                                                              |
| 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) 65 kA<br>Manual Self-Protected Combination Controllers (Type E), (600Y / 347 V AC) 47 kA<br>Any UL Listed Fuses or Circuit-Breakers, Group Installations (480 V AC) 65 kA<br>Any UL Listed Fuses or Circuit-Breakers, Group Installations (600 V AC) 47 kA<br>Any UL Listed Fuses or Circuit-Breakers, Motor Disconnect (480 V AC) 65 kA<br>Any UL Listed Fuses or Circuit-Breakers, Motor Disconnect (600 V AC) 47 kA<br>Any UL Listed Fuses or Circuit-Breakers, Tap Conductor Protection in Group Installations (480Y / 277 V AC) 65 kA<br>Any UL Listed Fuses or Circuit-Breakers, Tap Conductor Protection in Group Installations (600Y / 347 V AC) 47 kA |
| Maximum Operating Voltage UL/CSA        | Main Circuit 600 V AC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Horsepower Rating UL/CSA                | (440 ... 480 V AC) Three Phase 0.75 Hp<br>(550 ... 600 V AC) Three Phase 0.75 Hp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Full Load Amps Motor Use                | (200 V AC) Three Phase 1.6 A<br>(208 V AC) Three Phase 1.6 A<br>(220 ... 240 V AC) Three Phase 1.6 A<br>(440 ... 480 V AC) Three Phase 1.6 A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Locked Rotor Amps                       | (200 V AC) Three Phase 9.6 A<br>(208 V AC) Three Phase 9.6 A<br>(220 ... 240 V AC) Three Phase 9.6 A<br>(440 ... 480 V AC) Three Phase 9.6 A<br>(550 ... 600 V AC) Three Phase 9.6 A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| General Use Rating UL/CSA               | (600 V AC) 1.6 A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Connecting Capacity Main Circuit UL/CSA | Flexible 1/2x 16-12 AWG<br>Stranded 1/2x 16-12 AWG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

Tightening Torque  
UL/CSA

Main Circuit 10 ... 12 in-lb

## Environmental

|                                            |                                                                                                                                 |
|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Ambient Air Temperature                    | Around the Enclosure 0 ... +40 °C<br>Operation -25 ... +70 °C<br>Operation Compensated -25 ... +60 °C<br>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) | 9AKK108467A5658                                                        |
| REACH Declaration                           | 1SAA963005-4502                                                        |
| RoHS Information                            | 1SAA963006-4502                                                        |
| RoHS Status                                 | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| Toxic Substances Control Act - TSCA         | 2CMT2023-006539                                                        |
| WEEE B2C / B2B                              | Business To Business                                                   |
| WEEE Category                               | 5. Small Equipment (No External Dimension More Than 50 cm)             |

## Circular Value

|                          |                 |
|--------------------------|-----------------|
| End of Life Instructions | 1SAC200332H0001 |
|--------------------------|-----------------|

## Certificates and Declarations

|                                  |                                            |
|----------------------------------|--------------------------------------------|
| ABS Certificate                  | 1SAA963001-0101                            |
| ATEX Certificate                 | 1SAA963000-3902                            |
| BV Certificate                   | 1SAA963001-0202                            |
| CB Certificate                   | 1SAA963002-2002<br>1SAA963007-2002         |
| CQC Certificate                  | CQC2010010307387700<br>CQC2019010307243864 |
| Cut-off Current Characteristic   | 1SAM300508F0001<br>1SAM300508F0003         |
| Declaration of Conformity - CCC  | 2020980307003526<br>2020980307003041       |
| Declaration of Conformity - CE   | 1SAD101100-3402                            |
| Declaration of Conformity - UKCA | 1SAD201100-3402                            |
| DNV GL Certificate               | 1SAA963001-0304                            |
| EAC Certificate                  | 1SAA963000-2701                            |
| I <sup>pt</sup> Characteristic   | 1SAM300507F0001<br>1SAM300507F0003         |
| IECEX Certificate                | 1SAA963000-4001                            |
| KC Certificate                   | 1SAA963002-1502                            |
| LR Certificate                   | 1SAA963001-0502                            |
| RINA Certificate                 | 1SAA963002-0802                            |
| RMRS Certificate                 | 1SAA918000-0704                            |

Container Information

|                                |                 |
|--------------------------------|-----------------|
| Package Level 1 Units          | box 1 piece     |
| Package Level 1 Width          | 92 mm           |
| Package Level 1 Depth / Length | 95 mm           |
| Package Level 1 Height         | 50 mm           |
| Package Level 1 Gross Weight   | 0.28 kg         |
| Package Level 1 EAN            | 4013614400063   |
| 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   | 11.586 kg       |
| Package Level 2 EAN            | 4013614408960   |

Classifications

|                                    |                                             |
|------------------------------------|---------------------------------------------|
| 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)                 | 3705990                                     |
| E-Number (Sweden)                  | 3112122                                     |

Accessories

| Identifier      | Description                                                    | Type     | Quantity | Unit Of Measure |
|-----------------|----------------------------------------------------------------|----------|----------|-----------------|
| 1SAM201901R1001 | HKF1-11 Aux.-contact for front mounting                        | HKF1-11  | 1        | piece           |
| 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           |
| 1SAM201901R1003 | HKF1-10 Aux.-contact for front mounting                        | HKF1-10  | 1        | piece           |
| 1SAM201902R1002 | HK1-20 Aux.-contact 2 NO                                       | HK1-20   | 1        | piece           |
| 1SAM201902R1202 | HK1-20K Aux.-contact 2 NO with Push-In terminals               | HK1-20K  | 1        | piece           |
| 1SAM201902R1001 | HK1-11 Aux.-contact 1 NO + 1 NC                                | HK1-11   | 1        | piece           |
| 1SAM201902R1201 | HK1-11K Aux.-contact 1 NO + 1 NC with Push-In terminals        | HK1-11K  | 1        | piece           |
| 1SAM201902R1003 | HK1-02 Aux.-contact 2 NC                                       | HK1-02   | 1        | piece           |
| 1SAM201902R1203 | HK1-02K Aux.-contact 2 NC with Push-In terminals               | HK1-02K  | 1        | piece           |
| 1SAM201902R1004 | HK1-20L Aux.-cont. w. 2 lead contacts 2 NO                     | HK1-20L  | 1        | piece           |

|                 |                                                                       |             |   |       |
|-----------------|-----------------------------------------------------------------------|-------------|---|-------|
| 1SAM201902R1204 | HK1-20LK Aux-cont. w. 2 leading contacts 2 NO, with Push-In terminals | HK1-20LK    | 1 | piece |
| 1SAM201903R1002 | SK1-20 Signaling Contact 2 NO                                         | SK1-20      | 1 | piece |
| 1SAM201903R1202 | SK1-20K Signaling Contact 2 NO with Push-In terminals                 | SK1-20K     | 1 | piece |
| 1SAM201903R1005 | SK1-20AR Signaling Contact, 2NO with screw terminals                  | SK1-20AR    | 1 | piece |
| 1SAM201903R1205 | SK1-20ARK Signaling Contact, 2NO with Push-in Spring terminals        | SK1-20ARK   | 1 | piece |
| 1SAM201903R1001 | SK1-11 Signaling Contact 1 NO + 1 NC                                  | SK1-11      | 1 | piece |
| 1SAM201903R1201 | SK1-11K Signaling Contact 1 NO + 1 NC with Push-In terminals          | SK1-11K     | 1 | piece |
| 1SAM201903R1004 | SK1-11AR Signaling Contact, 1NO+1NC with screw terminals              | SK1-11AR    | 1 | piece |
| 1SAM201903R1204 | SK1-11ARK Signaling Contact, 1NO+1NC with Push-in Spring terminals    | SK1-11ARK   | 1 | piece |
| 1SAM201903R1003 | SK1-02 Signaling Contact 2 NC                                         | SK1-02      | 1 | piece |
| 1SAM201903R1203 | SK1-02K Signaling Contact 2 NC with Push-In terminals                 | SK1-02K     | 1 | piece |
| 1SAM201903R1006 | SK1-02AR Signaling Contact, 2NC with screw terminals                  | SK1-02AR    | 1 | piece |
| 1SAM201903R1206 | SK1-02ARK Signaling Contact, 2NC with Push-in Spring terminals        | SK1-02ARK   | 1 | piece |
| 1SAM301901R1002 | CK1-20 Short-Circuit Signaling Contact 2 NO                           | CK1-20      | 1 | piece |
| 1SAM301901R1001 | CK1-11 Short-Circuit Signaling Contact 1 NO + 1 NC                    | CK1-11      | 1 | piece |
| 1SAM301901R1003 | CK1-02 Short-Circuit Signaling Contact 2 NC                           | CK1-02      | 1 | piece |
| 1SAM201910R1001 | AA1-24 Shunt Trip 20-24V                                              | AA1-24      | 1 | piece |
| 1SAM201910R1002 | AA1-110 Shunt Trip 110V                                               | AA1-110     | 1 | piece |
| 1SAM201910R1003 | AA1-230 Shunt Trip 200-240V                                           | AA1-230     | 1 | piece |
| 1SAM201910R1004 | AA1-400 Shunt Trip 350-415V                                           | AA1-400     | 1 | piece |
| 1SAM201904R1010 | UA1-20 Undervoltage release 20V 50Hz / 24V 60 Hz                      | UA1-20      | 1 | piece |
| 1SAM201904R1001 | UA1-24 Undervoltage release 24 V                                      | UA1-24      | 1 | piece |
| 1SAM201904R1002 | UA1-48 Undervoltage release 48V                                       | UA1-48      | 1 | piece |
| 1SAM201904R1003 | UA1-60 Undervoltage release 60V                                       | UA1-60      | 1 | piece |
| 1SAM201904R1004 | UA1-110 Undervoltage release 110V 110V 50Hz/120V 60Hz                 | UA1-110     | 1 | piece |
| 1SAM201904R1008 | UA1-208 Undervoltage release 208V 60Hz                                | UA1-208     | 1 | piece |
| 1SAM201904R1005 | UA1-230 Undervoltage release 230 V 50 Hz / 240 V 60 Hz                | UA1-230     | 1 | piece |
| 1SAM201904R1006 | UA1-400 Undervoltage release 400V                                     | UA1-400     | 1 | piece |
| 1SAM201904R1007 | UA1-415 Undervoltage release 415V 415V 50Hz/480V 60Hz                 | UA1-415     | 1 | piece |
| 1SAM201904R1009 | UA1-575 Undervoltage release 575V 60Hz                                | UA1-575     | 1 | piece |
| 1SAM201906R1102 | PS1-2-0-65 3-phase busbar for 2 MS116 / MS132, Ie=65A                 | PS1-2-0-65  | 1 | piece |
| 1SAM201906R1112 | PS1-2-1-65 3-phase busbar for 2 MS116 / MS132 with 1 HK/SK, Ie=65A    | PS1-2-1-65  | 1 | piece |
| 1SAM201906R1122 | PS1-2-2-65 3-phase busbar for 2 MS116 / MS132 with 2 HK/SK, Ie=65A    | PS1-2-2-65  | 1 | piece |
| 1SAM201916R1103 | PS1-3-0-100 3-phase busbar for 3 MS116 / MS132, Ie=100A               | PS1-3-0-100 | 1 | piece |
| 1SAM201906R1103 | PS1-3-0-65 3-phase busbar for 3 MS116 / MS132, Ie=65A                 | PS1-3-0-65  | 1 | piece |
| 1SAM201916R1113 | PS1-3-1-100 3-phase busbar for 3 MS116 / MS132 with 1 HK/SK, Ie=100A  | PS1-3-1-100 | 1 | piece |
| 1SAM201906R1113 | PS1-3-1-65 3-phase busbar for 3 MS116 / MS132 with 1 HK/SK, Ie=65A    | PS1-3-1-65  | 1 | piece |
| 1SAM201916R1123 | PS1-3-2-100 3-phase busbar for 3 MS116 / MS132 with 2 HK/SK, Ie=100A  | PS1-3-2-100 | 1 | piece |
| 1SAM201906R1123 | PS1-3-2-65 3-phase busbar for 3 MS116 / MS132 with 2 HK/SK, Ie=65A    | PS1-3-2-65  | 1 | piece |
| 1SAM201916R1104 | PS1-4-0-100 3-phase busbar for 4 MS116 / MS132, Ie=100A               | PS1-4-0-100 | 1 | piece |

|                 |                                                                               |             |   |       |
|-----------------|-------------------------------------------------------------------------------|-------------|---|-------|
| 1SAM201906R1104 | PS1-4-0-65 3-phase busbar for 4 MS116 / MS132, Ie=65A                         | PS1-4-0-65  | 1 | piece |
| 1SAM201916R1114 | PS1-4-1-100 3-phase busbar for 4 MS116 /MS132 with 1 HK/SK, Ie=100A           | PS1-4-1-100 | 1 | piece |
| 1SAM201906R1114 | PS1-4-1-65 3-phase busbar for 4 MS116 / MS132 with 1 HK/SK, Ie=65A            | PS1-4-1-65  | 1 | piece |
| 1SAM201906R1124 | PS1-4-2-65 3-phase busbar for 4 MS116 / MS132 with 2 HK/SK, Ie=65A            | PS1-4-2-65  | 1 | piece |
| 1SAM201916R1105 | PS1-5-0-100 3-phase busbar for 5 MS116 / MS132, Ie=100A                       | PS1-5-0-100 | 1 | piece |
| 1SAM201906R1105 | PS1-5-0-65 3-phase busbar for 5 MS116 / MS132, Ie=65A                         | PS1-5-0-65  | 1 | piece |
| 1SAM201916R1115 | PS1-5-1-100 3-phase busbar for 5 MS116 /MS132 with 1 HK/SK, Ie=100A           | PS1-5-1-100 | 1 | piece |
| 1SAM201906R1115 | PS1-5-1-65 3-phase busbar for 5 MS116 / MS132 with 1 HK/SK, Ie=65A            | PS1-5-1-65  | 1 | piece |
| 1SAM201906R1125 | PS1-5-2-65 3-phase busbar for 5 MS116 / MS132 with 2 HK/SK, Ie=65A            | PS1-5-2-65  | 1 | piece |
| 1SAM201907R1101 | S1-M1-25 3-phase power infeed block Flat, for MS116 / MS132, 25mm2            | S1-M1-25    | 1 | piece |
| 1SAM201907R1102 | S1-M2-25 3-phase power infeed block High, for MS116 / MS132, 25mm2            | S1-M2-25    | 1 | piece |
| 1SAM201907R1103 | S1-M3-25 3-phase power infeed block Flat, for MS116 / MS132, 25mm2, Type E    | S1-M3-25    | 1 | piece |
| 1SAM201913R1103 | S1-M3-35 3-phase power infeed block Flat, for MS116 / MS132, 35mm2, Type E    | S1-M3-35    | 1 | piece |
| 1SAM201914R1002 | S1-PB1-25 1-phase power infeed block for MS116 / MS132 / MS132-T, 25mm2, IEC  | S1-PB1-25   | 1 | piece |
| 1SAM301911R1001 | TS1-M3-S1 Terminal Spacer MS132 Size 1 For MS/MO132-0.16 - MS/MO132-10 Type E | TS1-M3-S1   | 1 | piece |
| 1SAM301912R1001 | TS1-M3-S2 Terminal Spacer MS132 Size 2 For MS/MO132-12 - MS/MO132-32 Type E   | S1-M3-S2    | 1 | piece |
| 1SAM201908R1001 | BS1-3 Protection Cover for busbars empty places                               | BS1-3       | 1 | piece |
| 1SAM201909R1001 | FS116 Screw fixing kit for MS116, MS/MO132 10 pieces packed                   | FS116       | 1 | piece |
| 1SAM201914R1001 | PB1-1-32 phase connecting link for MS116 / MS132 / MS132-T, Ie=32A            | PB1-1-32    | 1 | piece |
| GJF1101903R0002 | SA2 Terminals and Installation Material                                       | SA2         | 1 | piece |
| 1SAM201911R1012 | IB132-F Enclosure, GY/RD, IP65 3 times lockable                               | IB132-F     | 1 | piece |
| 1SAM201911R1010 | IB132-G Enclosure, GY/BK, IP65 Standard version, 3 times lockable             | IB132-G     | 1 | piece |
| 1SAM201911R1011 | IB132-Y Enclosure, RD/YE, IP65 Emergency-STOP, 3 times lockable               | IB132-Y     | 1 | piece |
| 1SAM201912R1010 | DMS132-G Door Mounting Kit, GY/BK, IP65 Standard version, 3 times lockable    | DMS132-G    | 1 | piece |
| 1SAM201912R1011 | DMS132-Y Door Mounting Kit, RD/YE, IP65 Emergency-STOP, 3 times lockable      | DMS132-Y    | 1 | piece |
| 1SAM201909R1021 | MSAH1 Shaft Supporter suitable for MS116, MS132/MO132                         | MSAH1       | 1 | piece |
| 1SAM201920R1011 | MSHD-LTB Handle, IP64, black, 3 times lockable, defeatable, 0-TRIP-I          | MSHD-LTB    | 1 | piece |
| 1SAM201920R1012 | MSHD-LTY Handle, IP64, red/yellow, 3 times lockable, defeatable, 0-TRIP-I     | MSHD-LTY    | 1 | piece |
| 1SAM101923R0002 | MSMN Driver w. screw for manual motor staters, 6x6                            | MSMN        | 1 | piece |
| 1SAM101923R0012 | MSMNO Driver w/o coding w. screw for manual motor staters, 6x6                | 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 |

---

## Categories

---

Low Voltage Products and Systems → Circuit Breakers → Manual Motor Starters

Low Voltage Products and Systems → Control Products → Manual Motor Starters → Manual Motor Starters

