

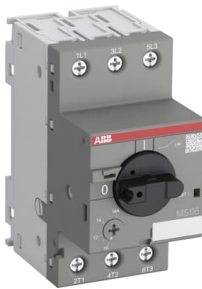



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 PRODUCT-DETAILS

## MS116-6.3

### MS116-6.3 Manual Motor Starter 4.0 ... 6.3 A




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#### General Information

|                       |                                              |
|-----------------------|----------------------------------------------|
| Extended Product Type | MS116-6.3                                    |
| Product ID            | 1SAM250000R1009                              |
| EAN                   | 4013614320323                                |
| Catalog Description   | MS116-6.3 Manual Motor Starter 4.0 ... 6.3 A |

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Long Description | <p>The MS116-6.3 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 <math>I_e = 6.3</math> 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 <math>I_{cs} = 50</math> kA at 400 VAC and trip class 10A. 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. Auxiliary contacts, signaling contacts, undervoltage releases, shunt trips, 3-phase bus bars, power in-feed blocks and locking devices for protection against unauthorized changes are available as accessory.</p> |
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#### Ordering

|                        |          |
|------------------------|----------|
| Minimum Order Quantity | 1 piece  |
| Customs Tariff Number  | 85362010 |

## Popular Downloads

|                                   |                                                       |
|-----------------------------------|-------------------------------------------------------|
| Data Sheet, Technical Information | 2CDC131025D0201                                       |
| Instructions and Manuals          | 2CDC131011M6802                                       |
| Instructions and Manuals (Part 2) | 2CDC131060M0202                                       |
| Time-Current Characteristic Curve | 1SAM200505F0009                                       |
| I <sup>2</sup> t Characteristic   | 1SAM200507F0001<br>1SAM200507F0002<br>1SAM200507F0003 |
| Cut-off Current Characteristic    | 1SAM200508F0001<br>1SAM200508F0002<br>1SAM200508F0003 |
| CAD Dimensional Drawing           | 2CDC001079B0201                                       |
| Dimension Diagram                 | 1SAM200422F0001                                       |

## Dimensions

|                            |          |
|----------------------------|----------|
| Product Net Width          | 45 mm    |
| Product Net Height         | 90 mm    |
| Product Net Depth / Length | 85.6 mm  |
| Product Net Weight         | 0.265 kg |

## Technical

|                                                                     |                                                                                                 |
|---------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> )    | (230 V AC) 50 kA<br>(400 V AC) 50 kA<br>(440 V AC) 6 kA<br>(500 V AC) 6 kA<br>(690 V AC) 2 kA   |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> )   | (230 V AC) 75 kA<br>(400 V AC) 75 kA<br>(440 V AC) 18 kA<br>(500 V AC) 15 kA<br>(690 V AC) 3 kA |
| Rated Instantaneous Short-Circuit Current Setting (I <sub>i</sub> ) | 78.8 A                                                                                          |
| Setting Range                                                       | 4.0 ... 6.3 A                                                                                   |
| Rated Operational Power AC-3 (P <sub>e</sub> )                      | (400 V) Three Phase 2.2 kW                                                                      |
| Rated Operational Power AC-3e (P <sub>e</sub> )                     | (400 V) Three Phase 2.2 kW                                                                      |
| Rated Operational Voltage                                           | Main Circuit 690 V AC                                                                           |
| Rated Operational Current (I <sub>e</sub> )                         | 6.3 A                                                                                           |
| Rated Operational Current AC-3 (I <sub>e</sub> )                    | 6.3 A                                                                                           |
| Rated Operational Current AC-3e (I <sub>e</sub> )                   | 6.3 A                                                                                           |
| Rated Frequency (f)                                                 | Main Circuit 50 Hz<br>Main Circuit 60 Hz                                                        |
| Rated Impulse                                                       | Main Circuit 6 kV                                                                               |

|                                                    |                                                                                                                                                                                                                                                                 |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Withstand Voltage ( $U_{imp}$ )                    |                                                                                                                                                                                                                                                                 |
| Rated Insulation Voltage ( $U_i$ )                 | 690 V                                                                                                                                                                                                                                                           |
| Power Loss                                         | at Rated Operating Conditions per Pole 0.7 ... 1.8 W                                                                                                                                                                                                            |
| Number of Poles                                    | 3                                                                                                                                                                                                                                                               |
| Conventional Free-air Thermal Current ( $I_{th}$ ) | Main Circuit 6.3 A                                                                                                                                                                                                                                              |
| Degree of Protection                               | Housing IP20<br>Main Circuit Terminals IP10                                                                                                                                                                                                                     |
| Pollution Degree                                   | 3                                                                                                                                                                                                                                                               |
| Electrical Durability                              | 100000 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                                  | any<br>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                                                                                                                                                                                                                                                        |
| 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<br>IEC 60335-2-40 A2L                                                                                                                                                        |

## Technical UL/CSA

|                                     |                                                                                                                                                                                      |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Short-Circuit Current Rating (SCCR) | Any UL Listed Fuses or Circuit-Breakers, Group Installations (480 V AC) 18 kA                                                                                                        |
|                                     | Any UL Listed Fuses or Circuit-Breakers, Group Installations (600 V AC) 5 kA                                                                                                         |
|                                     | Any UL Listed Fuses or Circuit-Breakers, Motor Disconnect (480 V AC) 18 kA                                                                                                           |
|                                     | Any UL Listed Fuses or Circuit-Breakers, Motor Disconnect (600 V AC) 5 kA                                                                                                            |
| Maximum Operating Voltage UL/CSA    | Main Circuit 600 V AC                                                                                                                                                                |
| Horsepower Rating UL/CSA            | (200 V AC) Three Phase 1 Hp<br>(208 V AC) Three Phase 1 Hp<br>(220 ... 240 V AC) Three Phase 1.5 Hp<br>(440 ... 480 V AC) Three Phase 3 Hp<br>(550 ... 600 V AC) Three Phase 5 Hp    |
| Full Load Amps Motor Use            | (200 V AC) Three Phase 6.3 A<br>(208 V AC) Three Phase 6.3 A<br>(220 ... 240 V AC) Three Phase 6.3 A<br>(440 ... 480 V AC) Three Phase 4.8 A<br>(550 ... 600 V AC) Three Phase 6.1 A |

|                                            |                                                                                                                                                                                         |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Locked Rotor Amps                          | (200 V AC) Three Phase 37.8 A<br>(208 V AC) Three Phase 37.8 A<br>(220 ... 240 V AC) Three Phase 37.8 A<br>(440 ... 480 V AC) Three Phase 32 A<br>(550 ... 600 V AC) Three Phase 36.8 A |
| General Use Rating<br>UL/CSA               | (600 V AC) 6.3 A                                                                                                                                                                        |
| Connecting Capacity<br>Main Circuit UL/CSA | Flexible 1/2x 16-12 AWG<br>Stranded 1/2x 16-12 AWG                                                                                                                                      |
| Tightening Torque<br>UL/CSA                | Main Circuit 10 in-lb                                                                                                                                                                   |

## Environmental

|                                               |                                                                                                                                 |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Ambient Air<br>Temperature                    | Around the Enclosure 0 ... +40 °C<br>Operation -25 ... +70 °C<br>Operation Compensated -25 ... +55 °C<br>Storage -50 ... +80 °C |
| Ambient Air<br>Temperature<br>Compensation    | Yes                                                                                                                             |
| Maximum Operating<br>Altitude Permissible     | 2000 m                                                                                                                          |
| Resistance to Shock acc.<br>to IEC 60068-2-27 | 11 ms Pulse 25g                                                                                                                 |
| Resistance to Vibrations                      | 5g 3 ... 150 Hz                                                                                                                 |

## Material Compliance

|                                                   |                                                                        |
|---------------------------------------------------|------------------------------------------------------------------------|
| Conflict Minerals<br>Reporting Template<br>(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<br>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 | 1SAC200331H0001 |
|--------------------------|-----------------|

## Eco Transparency

|                                            |                                    |
|--------------------------------------------|------------------------------------|
| Environmental Product<br>Declaration - EPD | 1SAC200359H0001<br>1SAC200384H0001 |
|--------------------------------------------|------------------------------------|

## Certificates and Declarations

|                       |                 |
|-----------------------|-----------------|
| A2L Certificate – IEC | 1SAA963000-4601 |
| ABS Certificate       | 1SAA963000-0104 |
| BV Certificate        | 1SAA963000-0204 |
| CB Certificate        | 1SAA963005-2003 |

|                                  |                                                       |
|----------------------------------|-------------------------------------------------------|
|                                  | 1SAA963006-2001                                       |
| CQC Certificate                  | CQC2011010307506570<br>CQC2014010307744794            |
| Cut-off Current Characteristic   | 1SAM200508F0001<br>1SAM200508F0002<br>1SAM200508F0003 |
| Declaration of Conformity - CCC  | 2020980307003705<br>2020980307003043                  |
| Declaration of Conformity - CE   | 1SAD101100-3401                                       |
| Declaration of Conformity - UKCA | 1SAD201100-3401                                       |
| DNV Certificate                  | 1SAA963000-0304                                       |
| DNV GL Certificate               | 1SAA963000-0304                                       |
| EAC Certificate                  | 1SAA963000-2701                                       |
| GL Certificate                   | 1SAA963000-0402                                       |
| I <sup>2</sup> t Characteristic  | 1SAM200507F0001<br>1SAM200507F0002<br>1SAM200507F0003 |
| KC Certificate                   | 1SAA963000-1501                                       |
| LR Certificate                   | 1SAA963000-0505                                       |
| RMRS Certificate                 | 1SAA918000-0704                                       |
| UL Certificate                   | E137861-20001218                                      |

## 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            | 4013614320323   |
| 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            | 4013614408694   |

## 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) | 3706009 |
| E-Number (Norway)  | 4364275 |
| E-Number (Sweden)  | 3111946 |

## 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           |
| 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<br>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 /<br>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<br>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 /<br>MS132, le=65A                                     | PS1-2-0-65  | 1 | piece |
| 1SAM201906R1112 | PS1-2-1-65 3-phase busbar for 2 MS116 / MS132<br>with 1 HK/SK, le=65A                        | PS1-2-1-65  | 1 | piece |
| 1SAM201906R1122 | PS1-2-2-65 3-phase busbar for 2 MS116 / MS132<br>with 2 HK/SK, le=65A                        | PS1-2-2-65  | 1 | piece |
| 1SAM201916R1103 | PS1-3-0-100 3-phase busbar for 3 MS116 /<br>MS132, le=100A                                   | PS1-3-0-100 | 1 | piece |
| 1SAM201906R1103 | PS1-3-0-65 3-phase busbar for 3 MS116 /<br>MS132, le=65A                                     | PS1-3-0-65  | 1 | piece |
| 1SAM201916R1113 | PS1-3-1-100 3-phase busbar for 3<br>MS116 /MS132 with 1 HK/SK, le=100A                       | PS1-3-1-100 | 1 | piece |
| 1SAM201906R1113 | PS1-3-1-65 3-phase busbar for 3 MS116 / MS132<br>with 1 HK/SK, le=65A                        | PS1-3-1-65  | 1 | piece |
| 1SAM201916R1123 | PS1-3-2-100 3-phase busbar for 3<br>MS116 /MS132 with 2 HK/SK, le=100A                       | PS1-3-2-100 | 1 | piece |
| 1SAM201906R1123 | PS1-3-2-65 3-phase busbar for 3 MS116 / MS132<br>with 2 HK/SK, le=65A                        | PS1-3-2-65  | 1 | piece |
| 1SAM201916R1104 | PS1-4-0-100 3-phase busbar for 4 MS116 /<br>MS132, le=100A                                   | PS1-4-0-100 | 1 | piece |
| 1SAM201906R1104 | PS1-4-0-65 3-phase busbar for 4 MS116 /<br>MS132, le=65A                                     | PS1-4-0-65  | 1 | piece |
| 1SAM201916R1114 | PS1-4-1-100 3-phase busbar for 4<br>MS116 /MS132 with 1 HK/SK, le=100A                       | PS1-4-1-100 | 1 | piece |
| 1SAM201906R1114 | PS1-4-1-65 3-phase busbar for 4 MS116 / MS132<br>with 1 HK/SK, le=65A                        | PS1-4-1-65  | 1 | piece |
| 1SAM201906R1124 | PS1-4-2-65 3-phase busbar for 4 MS116 /<br>MS132 with 2 HK/SK, le=65A                        | PS1-4-2-65  | 1 | piece |
| 1SAM201916R1105 | PS1-5-0-100 3-phase busbar for 5 MS116 /<br>MS132, le=100A                                   | PS1-5-0-100 | 1 | piece |
| 1SAM201906R1105 | PS1-5-0-65 3-phase busbar for 5 MS116 /<br>MS132, le=65A                                     | PS1-5-0-65  | 1 | piece |
| 1SAM201916R1115 | PS1-5-1-100 3-phase busbar for 5<br>MS116 /MS132 with 1 HK/SK, le=100A                       | PS1-5-1-100 | 1 | piece |
| 1SAM201906R1115 | PS1-5-1-65 3-phase busbar for 5 MS116 / MS132<br>with 1 HK/SK, le=65A                        | PS1-5-1-65  | 1 | piece |
| 1SAM201906R1125 | PS1-5-2-65 3-phase busbar for 5 MS116 / MS132<br>with 2 HK/SK, le=65A                        | PS1-5-2-65  | 1 | piece |
| 1SAM201907R1101 | S1-M1-25 3-phase power infeed block Flat, for<br>MS116 / MS132, 25mm <sup>2</sup>            | S1-M1-25    | 1 | piece |
| 1SAM201907R1102 | S1-M2-25 3-phase power infeed block High, for<br>MS116 / MS132, 25mm <sup>2</sup>            | S1-M2-25    | 1 | piece |
| 1SAM201907R1103 | S1-M3-25 3-phase power infeed block Flat, for<br>MS116 / MS132, 25mm <sup>2</sup> , Type E   | S1-M3-25    | 1 | piece |
| 1SAM201913R1103 | S1-M3-35 3-phase power infeed block Flat, for<br>MS116 / MS132, 35mm <sup>2</sup> , Type E   | S1-M3-35    | 1 | piece |
| 1SAM201914R1002 | S1-PB1-25 1-phase power infeed block for<br>MS116 / MS132 / MS132-T, 25mm <sup>2</sup> , IEC | S1-PB1-25   | 1 | piece |
| 1SAM201914R1001 | PB1-1-32 phase connecting link for MS116 /<br>MS132 / MS132-T, le=32A                        | PB1-1-32    | 1 | piece |
| 1SAM201908R1001 | BS1-3 Protection Cover for busbars empty<br>places                                           | BS1-3       | 1 | piece |

|                 |                                                                            |          |   |       |
|-----------------|----------------------------------------------------------------------------|----------|---|-------|
| 1SAM201909R1001 | FS116 Screw fixing kit for MS116, MS/MO132 10 pieces packed                | FS116    | 1 | piece |
| GJF1101903R0001 | Terminals and Installation Material                                        | SA1      | 1 | piece |
| GJF1101903R0002 | Terminals and Installation Material                                        | SA2      | 1 | piece |
| GJF1101903R0003 | Terminals and Installation Material                                        | SA3      | 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 |
| 1SAM201920R1001 | MSHD-LB Handle, IP64, black, 3 times lockable, defeatable, 0-I             | MSHD-LB  | 1 | piece |
| 1SAM201920R1002 | MSHD-LY Handle, IP64, red/yellow, 3 times lockable, defeatable, 0-I        | MSHD-LY  | 1 | piece |
| 1SAM201920R1000 | MSH-AR Shaft alignment ring suitable for MSHD and MSH handles              | MSH-AR   | 1 | piece |
| 1SAM101923R0002 | MSMN Driver w. screw for manual motor starters, 6x6                        | MSMN     | 1 | piece |
| 1SCA101655R1001 | OXS6X130 SHAFT                                                             | OXS6X130 | 1 | piece |
| 1SAM101923R0012 | MSMNO Driver w/o coding w. screw for manual motor starters, 6x6            | MSMNO    | 1 | piece |
| 1SCA101659R1001 | OXS6X180 SHAFT                                                             | OXS6X180 | 1 | piece |
| 1SCA101647R1001 | OXS6X85 SHAFT                                                              | OXS6X85  | 1 | piece |
| 1SCA108043R1001 | OXS6X105 SHAFT                                                             | OXS6X105 | 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

