

## PRODUCT-DETAILS

# MS132-0.63

## MS132-0.63 Manual Motor Starter



### Общая информация

|                                 |                                 |
|---------------------------------|---------------------------------|
| Тип расширенного изделия        | MS132-0.63                      |
| Идентификационный номер изделия | 1SAM350000R1004                 |
| Европейский товарный код (EAN)  | 4013614400049                   |
| Описание в каталоге             | MS132-0.63 Manual Motor Starter |

### Длинное описание

The MS132-0.63 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  $I_e = 0.63$  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

|                          |          |
|--------------------------|----------|
| Минимальный объем заказа | 1 штука  |
| Номер таможенного тарифа | 85362010 |

| Popular Downloads                  |                                    |
|------------------------------------|------------------------------------|
| Технические данные                 | 2CDC131021D0202                    |
| Инструкции и руководства           | 2CDC131022M6802                    |
| Инструкции и руководства (часть 2) | 2CDC131060M0202                    |
| Time-Current Characteristic Curve  | 1SAM300505F0104                    |
| I <sup>2</sup> t Characteristic    | 1SAM300507F0001<br>1SAM300507F0003 |
| Cut-off Current Characteristic     | 1SAM300508F0001<br>1SAM300508F0003 |
| Схема размеров                     | 1SAM300402F0001                    |

| Dimensions             |          |
|------------------------|----------|
| Чистая ширина изделия  | 45 mm    |
| Чистая высота изделия  | 90 mm    |
| Чистая толщина изделия | 86.75 mm |
| Чистый вес изделия     | 0.215 kg |

| Technical                                                                                |                                                                                                                                             |
|------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Номинальная рабочая отключающая способность при коротком замыкании (I <sub>CS</sub> )    | (230 В AC) 100 kA<br>(250 V DC) 3 Poles in Series 10 kA<br>(400 В AC) 100 kA<br>(440 В AC) 100 kA<br>(500 В AC) 100 kA<br>(690 В AC) 100 kA |
| Номинальная предельная отключающая способность при коротком замыкании (I <sub>CU</sub> ) | (230 В AC) 100 kA<br>(400 В AC) 100 kA<br>(440 В AC) 100 kA<br>(500 В AC) 100 kA<br>(690 В AC) 100 kA                                       |
| Уставка номинального мгновенного тока короткого замыкания (I <sub>i</sub> )              | 7.9 A                                                                                                                                       |
| Диапазон настройки                                                                       | 0.40 ... 0.63 A                                                                                                                             |
| Номинальная рабочая мощность, АС-3 (P <sub>e</sub> )                                     | (400 V) Three Phase 0.18 kW                                                                                                                 |
| Номинальная рабочая мощность, АС-3е (P <sub>e</sub> )                                    | (400 V) Three Phase 0.18 kW                                                                                                                 |
| Номинальное рабочее напряжение                                                           | Главная цепь 690 V AC<br>Главная цепь 250 V DC                                                                                              |
| Номинальный рабочий ток (I <sub>e</sub> )                                                | 0.63 A                                                                                                                                      |
| Номинальный рабочий ток, АС-3 (I <sub>e</sub> )                                          | 0.63 A                                                                                                                                      |
| Номинальный рабочий ток, АС-3е (I <sub>e</sub> )                                         | 0.63 A                                                                                                                                      |
| Номинальный рабочий ток, DC-5 (I <sub>e</sub> )                                          | 0.63 A                                                                                                                                      |
| Номинальная частота (f)                                                                  | Главная цепь 50 Hz                                                                                                                          |

|                                                                        |                                                                                                                                                                                                                                                                 |
|------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                        | Главная цепь 60 Hz                                                                                                                                                                                                                                              |
| Номинальное<br>выдерживаемое<br>импульсное напряжение<br>( $U_{imp}$ ) | Главная цепь 6 kV                                                                                                                                                                                                                                               |
| Номинальное<br>напряжение изоляции ( $U_i$ )                           | 690 V                                                                                                                                                                                                                                                           |
| Потери мощности                                                        | at Rated Operating Conditions per Pole 0.7 W                                                                                                                                                                                                                    |
| Количество полюсов                                                     | 3                                                                                                                                                                                                                                                               |
| Условный тепловой ток<br>на открытом воздухе ( $I_{th}$ )              | Main Circuit 0.63 A                                                                                                                                                                                                                                             |
| Степень защиты                                                         | Housing IP20<br>Main Circuit Terminals IP10                                                                                                                                                                                                                     |
| Степень загрязнения                                                    | степень загрязнения 3                                                                                                                                                                                                                                           |
| Коммутационная<br>износостойкость                                      | 50000 цикл                                                                                                                                                                                                                                                      |
| Механическая<br>износостойкость                                        | 100000 цикл                                                                                                                                                                                                                                                     |
| Тип клемм                                                              | Клеммы с винтовым зажимом                                                                                                                                                                                                                                       |
| Сечение подключаемого<br>кабеля-главная цепь                           | Гибкий с зажимом 1/2x 0.75 ... 2.5 mm <sup>2</sup><br>Гибкий с изолированным зажимом 1/2x 0.75 ... 2.5 mm <sup>2</sup><br>Гибкий 1/2x 0.75 ... 2.5 mm <sup>2</sup><br>Жесткий 1/2x 1 ... 4 mm <sup>2</sup>                                                      |
| Крутящие моменты<br>затяжки                                            | Главная цепь 0.8 ... 1.2 N·m                                                                                                                                                                                                                                    |
| Длина зачистки провода                                                 | Главная цепь 9 mm                                                                                                                                                                                                                                               |
| Рекомендуемый<br>инструмент (отвертка)                                 | Pozidriv 2                                                                                                                                                                                                                                                      |
| Монтажное положение                                                    | Position 1 to 6                                                                                                                                                                                                                                                 |
| Монтаж на DIN-рейке                                                    | Монтажная рейка 35 x 7,5 mm<br>Монтажная рейка 35 x 15 mm                                                                                                                                                                                                       |
| Minimum Mounting<br>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 |
| Тип исполнительного<br>элемента (рабочая<br>головка)                   | Rotary Handle                                                                                                                                                                                                                                                   |
| Contact Position<br>Indication                                         | ON / OFF / TRIP                                                                                                                                                                                                                                                 |
| Стандарты                                                              | IEC/EN 60947-1<br>IEC/EN 60947-2<br>IEC/EN 60947-4-1<br>UL 60947-1<br>UL 60947-4-1                                                                                                                                                                              |
| Замечания                                                              | UL508 Self-Protected Combination Motor Controller (Type E) in combination<br>with feeder block S1-M3-xx                                                                                                                                                         |

## Technical UL/CSA

|                                        |                                                                                    |
|----------------------------------------|------------------------------------------------------------------------------------|
| Short-Circuit Current<br>Rating (SCCR) | Manual Self-Protected Combination Controllers (Type E), (480Y / 277 V AC) 65<br>kA |
|                                        | Manual Self-Protected Combination Controllers (Type E), (600Y / 347 V AC) 47<br>kA |
|                                        | 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                                                                                 | Главная цепь 600 V AC                                                                                                                                                                     |
| Номинальный ток UL                                                                                               | 0.63 A                                                                                                                                                                                    |
| Full Load Amps Motor Use                                                                                         | (200 V AC) Three Phase 0.63 A<br>(208 V AC) Three Phase 0.63 A<br>(220 ... 240 V AC) Three Phase 0.63 A<br>(440 ... 480 V AC) Three Phase 0.63 A<br>(550 ... 600 V AC) Three Phase 0.63 A |
| Locked Rotor Amps                                                                                                | (200 V AC) Three Phase 3.78 A<br>(208 V AC) Three Phase 3.78 A<br>(220 ... 240 V AC) Three Phase 3.78 A<br>(440 ... 480 V AC) Three Phase 3.78 A<br>(550 ... 600 V AC) Three Phase 3.78 A |
| General Use Rating UL/CSA                                                                                        | (600 V AC) 0.63 A                                                                                                                                                                         |
| Connecting Capacity Main Circuit UL/CSA                                                                          | Гибкий 1/2x 16-12 AWG<br>Многожильный 1/2x 16-12 AWG                                                                                                                                      |
| Tightening Torque UL/CSA                                                                                         | Главная цепь 10 ... 12 in·lb                                                                                                                                                              |

## Environmental

|                                                             |                                                                                                                          |
|-------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Температура окружающей среды                                | Снаружи корпуса 0 ... +40 °C<br>Работа с компенсацией -25 ... +70 °C<br>Работа -25 ... +60 °C<br>Хранение -50 ... +80 °C |
| Компенсация температуры окружающей среды                    | Да                                                                                                                       |
| Максимально допустимая рабочая высота                       | 2000 m                                                                                                                   |
| Ударопрочность согласно МЭК 60068-2-27                      | Импульс 11 мс 25g                                                                                                        |
| Вибропрочность согласно МЭК 60068-2-6                       | 5g / 3 ... 150 Hz                                                                                                        |
| Правила ограничения содержания вредных веществ. RoHS статус | Following EU Directive 2011/65/EU                                                                                        |

## Certificates and Declarations (Document Number)

|                   |                                            |
|-------------------|--------------------------------------------|
| Сертификат ABS    | 1SAA963001-0101                            |
| Сертификат ATEX   | 1SAA963000-3902                            |
| Сертификат BV     | 1SAA963001-0202                            |
| Сертификат CB     | 1SAA963002-2002                            |
| CQC Certificate   | CQC2010010307387700<br>CQC2019010307243864 |
| Сертификат cUL    | cUL_E137861<br>cUL_E345003                 |
| cULus Certificate | cUL_E137861                                |

|                                                                |                                      |
|----------------------------------------------------------------|--------------------------------------|
| Cut-off Current Characteristic                                 | 1SAM300508F0001<br>1SAM300508F0003   |
| Declaration of Conformity - CCC                                | 2020980307003526<br>2020980307003041 |
| Декларация о соответствии - CE                                 | 1SAD938516-0125                      |
| DNV GL Certificate                                             | 1SAA963001-0304                      |
| EAC Certificate                                                | 1SAA963000-2701                      |
| Экологическая информация                                       | 1SAC200049H0009                      |
| Сертификат ГОСТ                                                | 1SAA963001-2702                      |
| I <sub>t</sub> Characteristic                                  | 1SAM300507F0001<br>1SAM300507F0003   |
| Инструкции и руководства                                       | 2CDC131022M6802                      |
| Инструкции и руководства (часть 2)                             | 2CDC131060M0202                      |
| KC Certificate                                                 | 1SAA963002-1502                      |
| Сертификат LR                                                  | 1SAA963001-0502                      |
| Сертификат RINA                                                | 1SAA963002-0802                      |
| Сертификат RMRS                                                | 1SAA918000-0704                      |
| Правила ограничения содержания вредных веществ.RoHS информация | 1SAD938511-0125                      |
| Time-Current Characteristic Curve                              | 1SAM300505F0104                      |
| Сертификат UL                                                  | UL_E137861<br>UL_E345003             |

## Container Information

|                                |                 |
|--------------------------------|-----------------|
| Package Level 1 Units          | box 1 штука     |
| Package Level 1 Width          | 92 mm           |
| Package Level 1 Depth / Length | 95 mm           |
| Package Level 1 Height         | 50 mm           |
| Package Level 1 Gross Weight   | 0.23 kg         |
| Package Level 1 EAN            | 4013614400049   |
| Package Level 2 Units          | carton 40 штука |
| Package Level 2 Width          | 280 mm          |
| Package Level 2 Depth / Length | 395 mm          |
| Package Level 2 Height         | 210 mm          |
| Package Level 2 Gross Weight   | 9.586 kg        |
| Package Level 2 EAN            | 4013614408946   |

## Classifications

|                           |   |
|---------------------------|---|
| Код классификации объекта | 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             |
| е-класс                                                                   | V11.0 : 27370401                                        |
| Универсальная<br>стандартная<br>классификация товаров<br>и услуг (UNSPSC) | 39121521                                                |
| IDEA Granular Category<br>Code (IGCC)                                     | 4845 >> 3 Pole Motor Circuit Protector Circuit Breakers |
| E-Number (Finland)                                                        | 3705988                                                 |
| E-Number (Sweden)                                                         | 3112120                                                 |

## Accessories

| Identifier      | Description                         | Type     | Quantity | Unit Of Measure |
|-----------------|-------------------------------------|----------|----------|-----------------|
| 1SAM201901R1001 | HKF1-11 Salvamotori e relè termici  | HKF1-11  | 1        | piece           |
| 1SAM201901R1201 | HKF1-11K Salvamotori e relè termici | HKF1-11K | 1        | piece           |
| 1SAM201901R1002 | HKF1-20 Salvamotori e relè termici  | HKF1-20  | 1        | piece           |
| 1SAM201901R1202 | HKF1-20K Salvamotori e relè termici | HKF1-20K | 1        | piece           |
| 1SAM201901R1004 | HKF1-01 Salvamotori e relè termici  | HKF1-01  | 1        | piece           |
| 1SAM201901R1003 | HKF1-10 Salvamotori e relè termici  | HKF1-10  | 1        | piece           |
| 1SAM201902R1002 | HK1-20 Salvamotori e relè termici   | HK1-20   | 1        | piece           |
| 1SAM201902R1202 | HK1-20K Salvamotori e relè termici  | HK1-20K  | 1        | piece           |
| 1SAM201902R1001 | HK1-11 Salvamotori e relè termici   | HK1-11   | 1        | piece           |
| 1SAM201902R1201 | HK1-11K Salvamotori e relè termici  | HK1-11K  | 1        | piece           |
| 1SAM201902R1003 | HK1-02 Salvamotori e relè termici   | HK1-02   | 1        | piece           |
| 1SAM201902R1203 | HK1-02K Salvamotori e relè termici  | HK1-02K  | 1        | piece           |
| 1SAM201902R1004 | HK1-20L Salvamotori e relè termici  | HK1-20L  | 1        | piece           |
| 1SAM201902R1204 | HK1-20LK Salvamotori e relè termici | HK1-20LK | 1        | piece           |
| 1SAM201903R1002 | SK1-20 Salvamotori e relè termici   | SK1-20   | 1        | piece           |
| 1SAM201903R1202 | SK1-20K Salvamotori e relè termici  | SK1-20K  | 1        | piece           |
| 1SAM201903R1001 | SK1-11 Salvamotori e relè termici   | SK1-11   | 1        | piece           |
| 1SAM201903R1201 | SK1-11K Salvamotori e relè termici  | SK1-11K  | 1        | piece           |
| 1SAM201903R1003 | SK1-02 Salvamotori e relè termici   | SK1-02   | 1        | piece           |
| 1SAM201903R1203 | SK1-02K Salvamotori e relè termici  | SK1-02K  | 1        | piece           |
| 1SAM301901R1002 | CK1-20 Salvamotori e relè termici   | CK1-20   | 1        | piece           |
| 1SAM301901R1001 | CK1-11 Salvamotori e relè termici   | CK1-11   | 1        | piece           |
| 1SAM301901R1003 | CK1-02 Salvamotori e relè termici   | CK1-02   | 1        | piece           |
| 1SAM201910R1001 | AA1-24 Salvamotori e relè termici   | AA1-24   | 1        | piece           |
| 1SAM201910R1002 | AA1-110 Salvamotori e relè termici  | AA1-110  | 1        | piece           |
| 1SAM201910R1003 | AA1-230 Salvamotori e relè termici  | AA1-230  | 1        | piece           |
| 1SAM201910R1004 | AA1-400 Salvamotori e relè termici  | AA1-400  | 1        | piece           |
| 1SAM201904R1010 | UA1-20 Undervoltage Release         | UA1-20   | 1        | piece           |
| 1SAM201904R1001 | UA1-24 Salvamotori e relè termici   | UA1-24   | 1        | piece           |
| 1SAM201904R1002 | UA1-48 Salvamotori e relè termici   | UA1-48   | 1        | piece           |
| 1SAM201904R1003 | UA1-60 Salvamotori e relè termici   | UA1-60   | 1        | piece           |

|                 |                                           |             |   |       |
|-----------------|-------------------------------------------|-------------|---|-------|
| 1SAM201904R1004 | UA1-110 Salvamotori e relè termici        | UA1-110     | 1 | piece |
| 1SAM201904R1008 | UA1-208 Salvamotori e relè termici        | UA1-208     | 1 | piece |
| 1SAM201904R1005 | UA1-230 Salvamotori e relè termici        | UA1-230     | 1 | piece |
| 1SAM201904R1006 | UA1-400 Salvamotori e relè termici        | UA1-400     | 1 | piece |
| 1SAM201904R1007 | UA1-415 Salvamotori e relè termici        | UA1-415     | 1 | piece |
| 1SAM201904R1009 | UA1-575 Salvamotori e relè termici        | UA1-575     | 1 | piece |
| 1SAM201906R1102 | PS1-2-0-65 Salvamotori e relè termici     | PS1-2-0-65  | 1 | piece |
| 1SAM201906R1112 | PS1-2-1-65 Salvamotori e relè termici     | PS1-2-1-65  | 1 | piece |
| 1SAM201906R1122 | PS1-2-2-65 Salvamotori e relè termici     | PS1-2-2-65  | 1 | piece |
| 1SAM201916R1103 | PS1-3-0-100 Salvamotori e relè termici    | PS1-3-0-100 | 1 | piece |
| 1SAM201906R1103 | PS1-3-0-65 Salvamotori e relè termici     | PS1-3-0-65  | 1 | piece |
| 1SAM201916R1113 | PS1-3-1-100 Salvamotori e relè termici    | PS1-3-1-100 | 1 | piece |
| 1SAM201906R1113 | PS1-3-1-65 Salvamotori e relè termici     | PS1-3-1-65  | 1 | piece |
| 1SAM201916R1123 | PS1-3-2-100 Salvamotori e relè termici    | PS1-3-2-100 | 1 | piece |
| 1SAM201906R1123 | PS1-3-2-65 Salvamotori e relè termici     | PS1-3-2-65  | 1 | piece |
| 1SAM201916R1104 | PS1-4-0-100 Salvamotori e relè termici    | PS1-4-0-100 | 1 | piece |
| 1SAM201906R1104 | PS1-4-0-65 Salvamotori e relè termici     | PS1-4-0-65  | 1 | piece |
| 1SAM201916R1114 | PS1-4-1-100 Salvamotori e relè termici    | PS1-4-1-100 | 1 | piece |
| 1SAM201906R1114 | PS1-4-1-65 Salvamotori e relè termici     | PS1-4-1-65  | 1 | piece |
| 1SAM201906R1124 | PS1-4-2-65 Salvamotori e relè termici     | PS1-4-2-65  | 1 | piece |
| 1SAM201916R1105 | PS1-5-0-100 Salvamotori e relè termici    | PS1-5-0-100 | 1 | piece |
| 1SAM201906R1105 | PS1-5-0-65 Salvamotori e relè termici     | PS1-5-0-65  | 1 | piece |
| 1SAM201916R1115 | PS1-5-1-100 Salvamotori e relè termici    | PS1-5-1-100 | 1 | piece |
| 1SAM201906R1115 | PS1-5-1-65 Salvamotori e relè termici     | PS1-5-1-65  | 1 | piece |
| 1SAM201906R1125 | PS1-5-2-65 Salvamotori e relè termici     | PS1-5-2-65  | 1 | piece |
| 1SAM201907R1101 | S1-M1-25 Salvamotori e relè termici       | S1-M1-25    | 1 | piece |
| 1SAM201907R1102 | S1-M2-25 Salvamotori e relè termici       | S1-M2-25    | 1 | piece |
| 1SAM201907R1103 | S1-M3-25 Salvamotori e relè termici       | S1-M3-25    | 1 | piece |
| 1SAM201913R1103 | S1-M3-35 Salvamotori e relè termici       | S1-M3-35    | 1 | piece |
| 1SAM201914R1002 | S1-PB1-25 Salvamotori e relè termici      | S1-PB1-25   | 1 | piece |
| 1SAM301911R1001 | TS1-M3-S1 Terminal Spacer                 | TS1-M3-S1   | 1 | piece |
| 1SAM301912R1001 | TS1-M3-S2 Terminal Spacer                 | S1-M3-S2    | 1 | piece |
| 1SAM201908R1001 | BS1-3 Salvamotori e relè termici          | BS1-3       | 1 | piece |
| 1SAM201909R1001 | FS116 Salvamotori e relè termici          | FS116       | 1 | piece |
| 1SAM201914R1001 | PB1-1-32 Salvamotori e relè termici       | PB1-1-32    | 1 | piece |
| GJF1101903R0002 | SA2 - Terminals and Installation Material | SA2         | 1 | piece |
| 1SAM201911R1012 | IB132-F Salvamotori e relè termici        | IB132-F     | 1 | piece |
| 1SAM201911R1010 | IB132-G Salvamotori e relè termici        | IB132-G     | 1 | piece |
| 1SAM201911R1011 | IB132-Y Salvamotori e relè termici        | IB132-Y     | 1 | piece |
| 1SAM201912R1010 | DMS132-G Salvamotori e relè termici       | DMS132-G    | 1 | piece |
| 1SAM201912R1011 | DMS132-Y Salvamotori e relè termici       | DMS132-Y    | 1 | piece |
| 1SAM201909R1021 | MSAH1 Salvamotori e relè termici          | MSAH1       | 1 | piece |
| 1SAM201920R1011 | MSHD-LTB Salvamotori e relè termici       | MSHD-LTB    | 1 | piece |
| 1SAM201920R1012 | MSHD-LTY Salvamotori e relè termici       | MSHD-LTY    | 1 | piece |
| 1SAM101923R0002 | MSMN Salvamotori e relè termici           | MSMN        | 1 | piece |
| 1SAM101923R0012 | MSMNO Salvamotori e relè termici          | MSMNO       | 1 | piece |

|                 |                                                   |          |   |       |
|-----------------|---------------------------------------------------|----------|---|-------|
| 1SCA101647R1001 | OXS6X85 Albero 6 mm per manovra rotativa, 85 mm   | OXS6X85  | 1 | piece |
| 1SCA108043R1001 | OXS6X105 Albero 6 mm per manovra rotativa, 105 mm | OXS6X105 | 1 | piece |
| 1SCA101655R1001 | OXS6X130 Albero 6 mm per manovra rotativa, 130 mm | OXS6X130 | 1 | piece |
| 1SCA101659R1001 | OXS6X180 Albero 6 mm per manovra rotativa, 180 mm | OXS6X180 | 1 | piece |

Категории

Низковольтное оборудование → Пускорегулирующая аппаратура → Мотор-автоматы → Мотор-автоматы

Низковольтное оборудование → Силовые автоматические выключатели → Мотор-автоматы

