

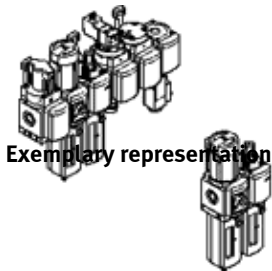
# service unit MSB6

Part number: 531030

★ Core product range

For manifold assembly, with G thread.

FESTO



## Data sheet

Overall data sheet – Individual values depend upon your configuration.

| Feature                       | Value  |
|-------------------------------|--|
| Size                          | 6  |
| Series                        | MS   |
| Type of actuation             | electrical<br>manual<br>pneumatic  |
| Actuator lock                 | Rotary knob with integrated lock   |
| Assembly position             | Vertical +/- 5°  |
| Grade of filtration           | 0.01 ... 40 µm   |
| Design structure              | Branching module<br>Active carbon filter<br>Pressure regulator with gauge<br>Soft start/quick exhaust valve<br>Start-up valve<br>flow sensor<br>On/off valve<br>Fibre filter<br>Filter regulator with pressure gauge<br>Filter regulator without pressure gauge<br>Membrane dryer<br>proportional standard mist lubricator<br>Sintered filter with centrifugal separator<br>Water separator<br>Electrically adjustable pressure regulator<br>Piloted precision diaphragm regulator |
| Controller function           | Output pressure constant<br>with initial pressure compensation<br>with secondary exhaust<br>with return flow   |
| Bowl guard                    | Plastic guard<br>integrated as metal shell   |
| Differential pressure display | Visual indicator<br>with pressure sensor   |
| Pressure gauge                | with pressure sensor<br>with pressure gauge  |
| Operating pressure            | 1.5 ... 20 bar   |
| Pressure regulation range     | 1 ... 12 bar   |
| Standard nominal flow rate    | 1,700 ... 4,800 l/min  |
| Characteristic coil data      | 110 V AC: 50/60 Hz, pick-up power 3 VA, holding power 2.4 VA<br>230 V AC: 50/60 Hz, pick-up power 3 VA, holding power 2.4 VA<br>24 V DC: 1.5 W<br>24 V DC: 1.8 W   |
| Authorisation                 | c UL us - Recognized (OL)  |

| <b>Feature</b>                                    | <b>Value</b>  |
|---|---|
| CE mark (see declaration of conformity)           | to EU directive for EMC<br>to EU directive explosion protection (ATEX)<br>to EU directive low-voltage devices<br>in accordance with EU RoHS directive |
| UKCA marking (see declaration of conformity)      | To UK instructions for electrical equipment<br>To UK instructions for EMC<br>To UK EX instructions<br>To UK RoHS instructions                         |
| Explosion protection certification outside the EU | EPL Db (GB)<br>EPL Dc (GB)<br>EPL Gb (GB)<br>EPL Gc (GB)  |
| ATEX category Gas                                 | II 2G<br>II 3G  |
| ATEX category Dust                                | II 2D<br>II 3D  |
| Explosion ignition protection type Gas            | Ex h IIC T6 Gb X<br>Ex nA IIC T4 X Gc   |
| Explosion ignition protection type Dust           | Ex h IIIC T60°C Db X<br>Ex tc IIIC T105°C IP65 Dc X   |
| Corrosion resistance classification CRC           | 2 - Moderate corrosion stress   |
| PWIS conformity                                   | VDMA24364-B1/B2-L   |
| Storage temperature                               | -10 ... 60 °C   |
| Food-safe   | See Supplementary material information  |
| Mounting type                                     | with accessories  |
| Material housing                                  | Aluminium die cast  |
| Material bowl                                     | PC  |