

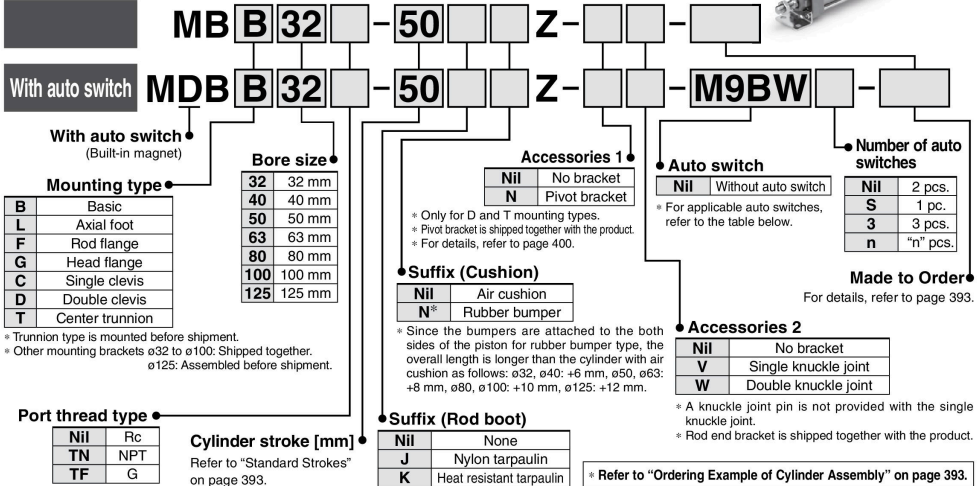
Air Cylinder: Standard Type Double Acting, Single Rod

MB Series

ø32, ø40, ø50, ø63, ø80, ø100, ø125



How to Order



Applicable Auto Switches/Refer to the pages 1575 to 1701 for further information on auto switches.

| Type | Special function | Electrical entry | Indicator/light | Wiring (Output) | Load voltage | | Auto switch model | | Lead wire length [m] | | | Pre-wired connector | Applicable load | | | | | |
|--|---|--|-----------------|-------------------------|--------------|-----------|-------------------|---------------|----------------------|---------------|-------|---------------------|-----------------|-------|------------|---|---|-----|
| | | | | | DC | AC | Tie-rod mounting | Band mounting | 0.5 (Nil) | 1 (M) | 3 (L) | | | 5 (Z) | | | | |
| Solid state auto switch | — | Grommet | No | 3-wire (NPN) | 24 V | 5 V, 12 V | — | M9N | ● | ● | ○ | ○ | IC circuit | | | | | |
| | | | | 3-wire (PNP) | | | | M9P | ● | ● | ○ | ○ | | | | | | |
| | | Terminal conduit | Yes | 2-wire | 12 V | M9B | ● | ● | ○ | ○ | — | | | | | | | |
| | | | | 3-wire (NPN) | | — | G39 | — | — | — | | — | | | | | | |
| | Diagnostic indication (2-color indicator) | Grommet | Yes | 2-wire | 24 V | 5 V, 12 V | — | M9B | ● | ● | ○ | ○ | IC circuit | | | | | |
| | | | | 3-wire (NPN) | | | | M9NW | — | ● | ● | ○ | | ○ | | | | |
| | | Water resistant (2-color indicator) | Grommet | Yes | 3-wire (PNP) | 12 V | 5 V, 12 V | — | M9PW | — | ● | ● | ○ | ○ | IC circuit | | | |
| | | | | | 2-wire | | | | M9BA*1 | — | ● | ● | ○ | ○ | | | | |
| | | With diagnostic output (2-color indicator) | Grommet | Yes | 3-wire (NPN) | 5 V, 12 V | 5 V, 12 V | — | M9NA*1 | — | ○ | ○ | ● | ○ | IC circuit | | | |
| | | | | | 3-wire (PNP) | | | | M9PA*1 | — | ○ | ○ | ● | ○ | | | | |
| Magnetic field resistant (2-color indicator) | Grommet | Yes | 2-wire | 12 V | 5 V, 12 V | — | M9BA*1 | — | ○ | ○ | ● | ○ | — | | | | | |
| | | | 4-wire (NPN) | | | | F59F | — | ● | — | ● | ○ | | ○ | IC circuit | | | |
| Reed auto switch | — | Grommet | Yes | 3-wire (NPN equivalent) | 24 V | 5 V | — | P3DWA | — | ● | ● | ○ | IC circuit | | | | | |
| | | | | No | | | | Yes | 2-wire | 12 V | A96 | — | | ● | — | ● | — | — |
| | | | | | | | | | | | A93 | — | | ● | ● | ● | — | |
| | | | | | | | | | | | A90 | — | | ● | — | ● | — | |
| | | | | | | | | | | | A54 | — | | ● | — | ● | — | |
| | | | | Yes | | | | No | 2-wire | 200 V or less | A64 | — | | ● | — | ● | — | — |
| | | | | | | | | | | | — | A33 | | — | — | — | — | |
| | | | | Terminal conduit | | | | Yes | 2-wire | 100 V, 200 V | — | A34 | | — | — | — | — | PLC |
| | | | | | | | | | | | — | A44 | | — | — | — | — | |
| | | | | DIN terminal | | | | Yes | 2-wire | 100 V, 200 V | — | — | | — | — | — | — | — |
| — | A59W | — | ● | | — | ● | — | | | | | | | | | | | |
| Grommet | Yes | 2-wire | — | — | — | — | — | — | — | — | — | — | | | | | | |
| | | | | | | | | — | — | — | — | | — | — | | | | |

*1 Water resistant type auto switches can be mounted on the above models, but in such case SMC cannot guarantee water resistance.

A water resistant type cylinder is recommended for use in an environment which requires water resistance.

* Lead wire length symbols: 0.5 m..... Nil (Example) M9NW 3 m..... L (Example) M9NWL
1 m..... M (Example) M9NWM 5 m..... Z (Example) M9NZ

* Solid state auto switches marked with "○" are produced upon receipt of order.

* Since there are other applicable auto switches than listed above, refer to page 432 for details.

* The D-A9□/M9□/P3DWA□ auto switches are shipped together, (but not assembled). (However, auto switch mounting brackets are assembled for the D-A9□/M9□ before shipment.)