

# Stopper Cylinder: Fixed Mounting Height

## Series RSQ

ø12, ø16, ø20, ø32, ø40, ø50

### How to Order

**Without auto switch**

**With auto switch**

**RSQ B 20 15 D**

**RSDQ B 20 15 D J79W**

**Built-in magnet**

**Mounting style**

|   |                         |
|---|-------------------------|
| B | Through-hole (Standard) |
| A | Both ends tapped style  |

Note 1) Since ø12 uses a common tube for both A and B, only B is used for part no. denotation.

**Bore size**

|    |       |
|----|-------|
| 12 | 12 mm |
| 16 | 16 mm |
| 20 | 20 mm |
| 32 | 32 mm |
| 40 | 40 mm |
| 50 | 50 mm |

**Piping**

|     |  |
|-----|--|
| Nil | Screw-in piping                            |
| F   | Built-in One-touch fittings <sup>(2)</sup> |

Note 2) Bore sizes available w/ One-touch fittings are ø20 to ø50.

**Cylinder stroke (mm)**

|        |            |
|--------|------------|
| 12     | 10         |
| 16     | 10, 15     |
| 20     | 10, 15, 20 |
| 32     | 10, 15, 20 |
| 40, 50 | 20, 25, 30 |

**Auto switch**

|     |                     |
|-----|---------------------|
| Nil | Without auto switch |
|-----|---------------------|

\* For the applicable auto switch model, refer to the table below.

\* Auto switches are shipped together, (but not assembled).

**Number of auto switches**

|     |        |
|-----|--------|
| Nil | 2 pcs. |
| S   | 1 pc.  |

**Rod end configuration**

| Symbol | Configuration   | Application         |
|--------|---|---------------------|
| Nil    | Round bar type  | —                   |
| K      | Chamfered type  | —                   |
| R      | Roller type   | —                   |
| L      | Lever type (Non-adjustable) <sup>(3)</sup>                                | Basic style         |
| B      | Lever type <sup>(3)</sup><br>(Energy absorbing<br>Adjustable deformation) | —                   |
| C      |   | With cancel cap     |
| D      |   | With lock mechanism |
| E      |   | With lock & cancel  |

Note 3) The lever types are applicable only to bore sizes ø32, ø40 and ø50.

**Action**

|   |                                  |
|---|----------------------------------|
| D | Double acting                    |
| B | Double acting with spring loaded |
| T | Single acting (Spring extend)    |

### Applicable Auto Switch/Refer to page 10-20-1 for further information on auto switches.

| Type  | Special function                           | Electrical entry | Indicator light | Wiring (Output)         | Load voltage |           |               | Rail mounting |                 | Direct mounting |           | Lead wire length (m)* |       |          |   | Pre-wire connector | Applicable load |            |
|---|--|------------------|-----------------|-------------------------|--------------|-----------|---------------|---------------|-----------------|-----------------|-----------|-----------------------|-------|----------|---|--------------------|-----------------|------------|
|   |  |                  |                 |                         | DC           | AC        | ø16 to ø50    |               | ø12, ø32 to ø50 |                 | 0.5 (Nil) | 3 (L)                 | 5 (Z) | None (N) |   |                    |                 |            |
|   |  |                  |                 |                         |              |           | Perpendicular | In-line       | Perpendicular   | In-line         |           |                       |       |          |   |                    |                 |            |
| Reed switch                                 | —  | Grommet          | Yes             | 3-wire (NPN equivalent) | —            | 5 V       | —             | —             | A76H            | A96V            | A96       | ●                     | ●     | —        | — | —                  | IC circuit      | —          |
|   |  | 2-wire           |                 | —                       | —            | 200 V     | A72           | A72H          | —               | —               | ●         | ●                     | —     | —        | — | Relay, PLC         |                 |            |
|   |  |                  |                 | 24 V                    | 12 V         | 100 V     | A73           | A73H          | —               | —               | ●         | ●                     | ●     | —        |   |                    | —               |            |
|   |  |                  |                 |                         | 12 V         | —         | A73C          | —             | —               | —               | ●         | ●                     | ●     | ●        |   |                    | —               |            |
|   | Diagnostic indication (2-color indication) | Grommet          |                 | —                       | —            | A79W      | —             | —             | —               | ●               | ●         | —                     | —     | —        |   |                    |                 |            |
| Solid state switch                          | —  | Grommet          | Yes             | 3-wire (NPN)            | 24 V         | 5 V, 12 V | —             | F7NV          | F79             | M9NV            | M9N       | ●                     | ●     | ○        | — | ○                  | IC circuit      | Relay, PLC |
|   |  | 3-wire (PNP)     |                 | F7PV                    |              |           |               | F7P           | M9PV            | M9P             | ●         | ●                     | ○     | —        | ○ |                    |                 |            |
|   |  | 2-wire           |                 | F7BV                    |              |           |               | J79           | M9BV            | M9B             | ●         | ●                     | ○     | —        | ○ |                    |                 |            |
|   |  |                  |                 | J79C                    |              |           |               | —             | —               | —               | ●         | ●                     | ●     | ●        | — |                    |                 |            |
|   | Diagnostic indication (2-color indication) | Grommet          |                 | 3-wire (NPN)            |              | 5 V, 12 V |               | F7N WV        | F79W            | F9N WV          | F9N W     | ●                     | ●     | ○        | — | ○                  | IC circuit      |            |
|   |  |                  |                 | 3-wire (PNP)            |              |           |               | —             | F7P W           | F9P W V         | F9P W     | ●                     | ●     | ○        | — | ○                  |                 |            |
|   |  |                  |                 | 2-wire                  |              |           |               | F7B WV        | J79W            | F9B WV          | F9B W     | ●                     | ●     | ○        | — | ○                  |                 |            |
|   |  |                  |                 |                         |              |           |               | —             | F7B A           | —               | F9B A     | —                     | ●     | ○        | — | ○                  |                 |            |
|   |  |                  |                 |                         |              |           |               | F7B A V       | —               | —               | —         | —                     | ●     | ○        | — | —                  |                 |            |
|   |  |                  |                 |                         |              |           |               | —             | F79F            | —               | —         | —                     | ●     | ●        | ○ | —                  |                 |            |
| Water resistant (2-color indication)        |  |                  |                 |                         |              |           |               |               |                 |                 |           |                       |       |          |   |                    |                 |            |
| With diagnostic output (2-color indication) |  |                  |                 |                         |              |           |               |               |                 |                 |           |                       |       |          |   |                    |                 |            |

\* Lead wire length symbols: 0.5 m..... Nil (Example) A73C  
 3 m..... L (Example) A73CZ  
 5 m..... Z (Example) A73CL  
 None..... Z (Example) A73CN

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

- Since there are other applicable auto switches than listed, refer to page 10-8-14 for details.
- For details about auto switches with pre-wire connector, refer to page 10-20-66.