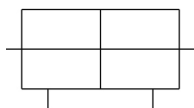


## C(D)UW, Free Mount Cylinder, Double Rod CDUW25-50D

Datasheet

### General series information

- Free mount cylinder, double rod type
- Bore sizes from 6mm to 32mm available
- Stroke lengths up to 50mm
- Space saving
- Auto-switch capable



Double-acting cylinder with double piston rod

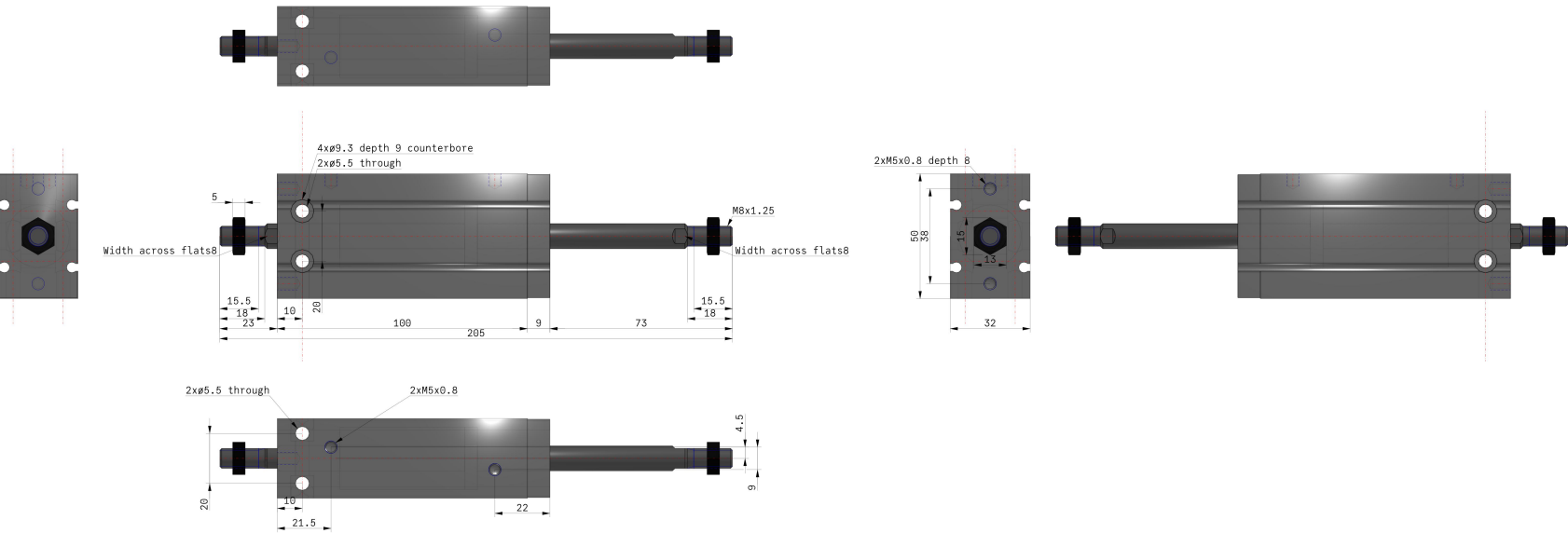
### Standard specifications

|                                                         |                                          |
|---------------------------------------------------------|------------------------------------------|
| Magnet                                                  | D (Built-in Magnet)                      |
| Bore Size                                               | 25 mm                                    |
| Port Thread                                             | M5 x 0.8; Rc1/8 for Ø32                  |
| Stroke                                                  | 50 mm                                    |
| Auto Switch                                             | No Switch                                |
| Lead Wire or Pre-wired Connector                        | 0.5 m (Or None in the Case of No Switch) |
| Number                                                  | 2 pcs. (Or None in Case of No Switch)    |
| Maximum operating pressure                              | 0.7 MPa                                  |
| Minimum operating pressure                              | 0.08 MPa                                 |
| Proof pressure                                          | 1.05 MPa                                 |
| Theoretical cylinder force, advance stroke (at 0.5 MPa) | 206 N                                    |
| Type of cushioning                                      | Rubber Bumper                            |
| Piston rod end                                          | Male Thread                              |
| Lubrication                                             | Non-lube                                 |
| Fluid                                                   | Air                                      |
| Ambient and fluid temperature                           | -10 - 60 °C                              |
| Stroke length tolerance                                 | 0+1.0 mm                                 |
| Thread Tolerance                                        | JIS Class2                               |

|              |               |
|--------------|---------------|
| Piston speed | 50 - 500 mm/s |
|--------------|---------------|

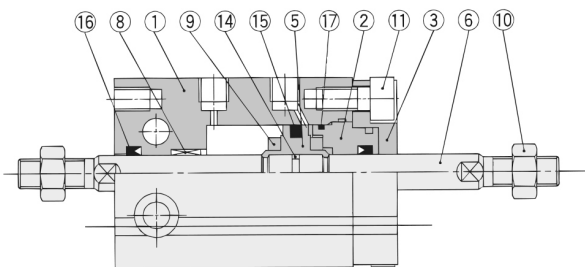
Specifications are subject to change without prior notice and any obligation on the part of the manufacturer.

Dimensions



## Constructions

### ø16 to 32 With auto switch



#### Component Parts

| No. | Description        | Material                       | Note                  |
|-----|--------------------|--------------------------------|-----------------------|
| 1   | Cylinder tube      | Aluminum alloy                 | Hard anodized         |
| 2   | Rod cover          | Aluminum bearing alloy         | Chromated             |
| 3   | Rod cover retainer | Aluminum alloy                 | Hard anodized         |
| 4   | Piston             | Brass                          | ø6                    |
| 5   | Piston             | Brass                          | ø6, ø10               |
| 6   | Piston rod         | Aluminum alloy                 | ø16 to ø32, Chromated |
| 7   | Piston rod         | Stainless steel                |                       |
| 8   | Bushing            | Oil-impregnated sintered alloy | ø6                    |

#### Component Parts

| No. | Description                   | Material          | Note          |
|-----|-------------------------------|-------------------|---------------|
| 9   | Bumper                        | Urethane          |               |
| 10  | Rod end nut                   | Carbon steel      | Nickel plated |
| 11  | Hexagon socket head cap screw | Carbon steel      | Nickel plated |
| 12  | Magnet                        | Magnetic material |               |
| 13  | Auto switch                   | —                 |               |
| 14  | Piston gasket                 | NBR               |               |
| 15* | Piston seal                   |                   |               |
| 16* | Rod seal                      |                   |               |
| 17* | Gasket                        |                   |               |

## Additional information

|                   |                                      |
|-------------------|--------------------------------------|
| Catalogue         | <a href="#">CU_B_EU.pdf</a>          |
| Operation manuals | <a href="#">OM_CU_OM0002EN-A.pdf</a> |