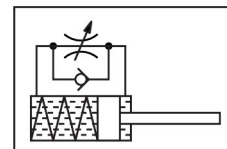


# Shock absorber DYSD-Q13-4-4-Y1F-Y9

Part number: 8199038

**FESTO**



## Data sheet

| Feature                                            | Value                                                                                                                                                    |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Size                                               | 4                                                                                                                                                        |
| Stroke                                             | 4 mm                                                                                                                                                     |
| Cushioning                                         | Self-adjusting                                                                                                                                           |
| Mounting position                                  | optional                                                                                                                                                 |
| Position detection                                 | Without                                                                                                                                                  |
| Max. impact speed                                  | 0.5 m/s                                                                                                                                                  |
| Reset time at room temperature                     | 0.2 s                                                                                                                                                    |
| Reset time at min. ambient temperature             | 1 s                                                                                                                                                      |
| Mode of operation                                  | Pushing<br>Single-acting                                                                                                                                 |
| Corrosion resistance class CRC                     | 2 - Moderate corrosion stress                                                                                                                            |
| LABS (PWIS) conformity                             | VDMA24364-B2-L                                                                                                                                           |
| Suitability for the production of Li-ion batteries | Suitable for battery production according to the Festo internal definition of the degree of severity F1A with restrictions regarding the use of Cu/Zn/Ni |
| Ambient temperature                                | -10 °C...60 °C                                                                                                                                           |
| Cushioning length                                  | 4 mm                                                                                                                                                     |
| Max. stop force                                    | 110 N                                                                                                                                                    |
| Max. tightening torque                             | 1 Nm                                                                                                                                                     |
| Max. energy consumption per stroke                 | 0.6 J                                                                                                                                                    |
| Max. energy consumption per hour                   | 1440 J                                                                                                                                                   |
| Reset force                                        | 3 N                                                                                                                                                      |
| Min. insertion force                               | 18 N                                                                                                                                                     |
| Product weight                                     | 6.5 g                                                                                                                                                    |
| Load range                                         | 4.8 kg                                                                                                                                                   |
| Type of mounting                                   | Via lock nut                                                                                                                                             |
| Note on materials                                  | RoHS-compliant                                                                                                                                           |
| Material seals                                     | NBR                                                                                                                                                      |
| Material housing                                   | High-alloy steel                                                                                                                                         |
| Material piston rod                                | High-alloy steel                                                                                                                                         |
| Material nut                                       | High-alloy steel                                                                                                                                         |