

# Shock absorber DYSS-G8-2-4-Y1F-F1A

Part number: 8119980

**FESTO**



## Data sheet

| Feature                                            | Value                                                              |
|----------------------------------------------------|--------------------------------------------------------------------|
| Size                                               | 2                                                                  |
| Stroke                                             | 4 mm                                                               |
| Cushioning                                         | Self-adjusting                                                     |
| Mounting position                                  | Any                                                                |
| Position sensing                                   | None                                                               |
| Max. impact velocity                               | 0.5 m/s                                                            |
| Reset time at room temperature                     | 0.5 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 with reduced Cu/Zn/Ni values (F1a) |
| Ambient temperature                                | -10 °C...70 °C                                                     |
| Cushioning length                                  | 4 mm                                                               |
| Max. stop force                                    | 60 N                                                               |
| Max. tightening torque                             | 0.4 Nm                                                             |
| Max. energy absorption per stroke                  | 0.1 J                                                              |
| Max. energy absorption per hour                    | 270 J                                                              |
| Max. residual energy                               | 0.003 J                                                            |
| Resetting force                                    | 0.4 N                                                              |
| Min. insertion force                               | 2.5 N                                                              |
| Product weight                                     | 3.9 g                                                              |
| Load range                                         | 0.8 kg                                                             |
| Type of mounting                                   | With threaded sleeve                                               |
| Note on materials                                  | RoHS compliant                                                     |
| Seals material                                     | NBR                                                                |
| Housing material                                   | High-alloy steel                                                   |
| Piston rod material                                | High-alloy steel                                                   |