

# One-way flow control valve GRLA-1/4-QS-10-D

Part number: 193148

**FESTO**



## Data sheet

| Feature                                                                       | Value                                                                                      |
|-------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| Valve function                                                                | Exhaust air one-way flow control function                                                  |
| Pneumatic connection, port 1                                                  | QS-10                                                                                      |
| Pneumatic connection, port 2                                                  | G1/4                                                                                       |
| Adjustment component                                                          | Slotted head screw                                                                         |
| Type of mounting                                                              | Screw-in                                                                                   |
| Standard nominal flow rate in flow control direction                          | 480 l/min                                                                                  |
| Standard nominal flow rate in blocked direction                               | 345 l/min...500 l/min                                                                      |
| Ambient temperature                                                           | -10 °C...60 °C                                                                             |
| Maritime classification                                                       | See certificate                                                                            |
| Mounting position                                                             | optional                                                                                   |
| Operating pressure complete temperature range                                 | 0.2 bar...10 bar                                                                           |
| Standard flow rate in flow control direction 0.6->0 MPa (6->0 bar, 87->0 psi) | 760 l/min                                                                                  |
| Standard flow rate in non-return direction 0.6->0 MPa (6->0 bar, 87->0 psi)   | 630 l/min...790 l/min                                                                      |
| Operating medium                                                              | Compressed air to ISO 8573-1:2010 [7:4:4]                                                  |
| Note on operating and pilot medium                                            | Lubricated operation possible (in which case lubricated operation will always be required) |
| LABS (PWIS) conformity                                                        | VDMA24364-B1/B2-L                                                                          |
| Cleanroom class                                                               | Class 4 according to ISO 14644-1                                                           |
| Media temperature                                                             | -10 °C...60 °C                                                                             |
| Nominal torque                                                                | 5 Nm                                                                                       |
| Tolerance for nominal tightening torque                                       | ± 10%                                                                                      |
| Product weight                                                                | 42 g                                                                                       |
| Material screwed plug                                                         | Wrought aluminium alloy                                                                    |
| Note on materials                                                             | RoHS-compliant                                                                             |
| Material seals                                                                | NBR                                                                                        |

| Feature                  | Value                      |
|--------------------------|----------------------------|
| Material release ring    | POM                        |
| Material adjusting screw | Brass                      |
| Material swivel fitting  | Die-cast zinc<br>Chromated |