

# Piston actuator DFPK-75-20-S-V4

Part number: 8083965

FESTO



 General operating condition

## Data sheet

| Feature                                           | Value                                                                                                 |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| Size of valve actuator                            | 75                                                                                                    |
| Stroke                                            | 20 mm                                                                                                 |
| Mounting position                                 | Any                                                                                                   |
| Position sensing                                  | With mechanical indicator                                                                             |
| Control function                                  | Opened by spring force, N/O                                                                           |
| Operating pressure                                | 0.5 MPa ... 1 MPa                                                                                     |
| Operating pressure                                | 5 bar ... 10 bar                                                                                      |
| Operating pressure                                | 72.5 psi ... 145 psi                                                                                  |
| CE marking (see declaration of conformity)        | as per EU explosion protection directive (ATEX)                                                       |
| UKCA marking (see declaration of conformity)      | acc. to UK EX instructions                                                                            |
| Explosion protection certification outside the EU | EPL Db (GB)<br>EPL Gb (GB)                                                                            |
| Explosion prevention and protection               | Zone 1 (ATEX)<br>Zone 1 (UKEX)<br>Zone 2 (ATEX)<br>Zone 21 (ATEX)<br>Zone 21 (UKEX)<br>Zone 22 (ATEX) |
| ATEX category gas                                 | II 2G                                                                                                 |
| ATEX category for dust                            | II 2D                                                                                                 |
| Type of ignition protection for gas               | Ex h IIC T6...T4 Gb                                                                                   |
| Type of (ignition) protection for dust            | Ex h IIIC T80°C...T120°C Db                                                                           |
| Explosive ambient temperature                     | 0°C ≤ Ta ≤ +60°C                                                                                      |
| Operating medium                                  | Compressed air as per ISO 8573-1:2010 [7:4:4]                                                         |
| LABS (PWIS) conformity                            | VDMA24364 zone III                                                                                    |
| Storage temperature                               | -10 °C ... 60 °C                                                                                      |
| Degree of protection                              | IP65<br>IP67<br>IP69K                                                                                 |
| Ambient temperature                               | 0 °C ... 60 °C                                                                                        |
| Product weight                                    | 2539 g                                                                                                |
| Pneumatic connection                              | Internal thread G1/8                                                                                  |
| Note on materials                                 | RoHS-compliant                                                                                        |
| Cover material                                    | Cast stainless steel                                                                                  |
| Seals material                                    | FPM                                                                                                   |
| Housing material                                  | Cast stainless steel                                                                                  |
| Material number of housing                        | 1.4408                                                                                                |
| Piston rod material                               | High-alloy stainless steel                                                                            |