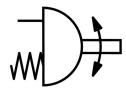
Quarter turn actuator DFPD-N-40-RP-90-RS30-F04-R3-EP

FESTO

Part number: 8066440





General operating condition

Data sheet

Feature	Value
Size of valve actuator	40
Flange hole pattern	F04
Swivel angle	90 deg
End-position adjusting range at 0°	-5 deg 5 deg
End-position adjusting range at nominal swivel angle	-5 deg 5 deg
Depth shaft connection	12 mm
Standard connection for valve	ISO 5211
Mounting position	Any
Mode of operation	Single-acting
Structural design	Gear rack/pinion
Closing direction	Clockwise closing
Symbol	00991266
Valve connection conforms to standard	VDI/VDE 3845 (NAMUR)
Connection point for positioner and position sensor conforms to standard	VDI/VDE 3845 size AA 1
Devices type according to VDMA 66413	Safety device
Safety function	The safety function consists of the drive switching to the defined safety switching position when the compressed air is switched off and the spring chamber is exhausted. This switching movement is achieved by the spring force of the spring assembly.
Safety integrity level (SIL)	Up to SIL 2 low demand mode up to SIL 3 in a redundant architecture up to SIL 1 high demand mode
Certified for safety function to ISO 13849 and IEC 61508 (SIL)	Product can be used in safety-related parts of control systems up to SIL 2, low demand Product can be used in safety-related parts of control systems up to SIL 1, high demand up to SIL 3 in a redundant architecture
Operating pressure	0.2 MPa 0.8 MPa
Operating pressure	2 bar 8 bar
Operating pressure	29 psi 116 psi
Nominal operating pressure	0.3 MPa
Nominal operating pressure	3 bar
Nominal operating pressure	43.5 psi
Maritime classification	See certificate
CE marking (see declaration of conformity)	as per EU explosion protection directive (ATEX)
UKCA marking (see declaration of conformity)	acc. to UK EX instructions

ATEX category gas ATEX category for dust Type of ignition protection for gas Ex h IIC T4 Gb Type of (ignition) protection for dust Ex h IIIC T105 Explosive ambient temperature Operating medium Compressed at Information on operating and pilot media Information on operating and pilot media LABS (PWIS) conformity VDMA24364- Storage temperature -20 °C 60 °C Ambient temperature -20 °C 80 °C Torque at nominal operating pressure and 0° swivel angle Torque at nominal operating pressure and 90° swivel angle Note about the torque The actuator's permissible to flange and the Spring return torque at 0° swivel angle Spring return torque at 0° swivel angle Spring return torque with 90° swivel angle 13.6 Nm MTTFd 1126 years PFH 1.01E-7 PFD 7.8E-4 Air consumption at 6 bar per cycle 0°-nominal swivel angle-0° 1.5 I Product weight Shaft connection T11 Pneumatic connection T11 Pneumatic connection T11 Note on materials Material of sub-base Coated die-cast alum Spring steel Material of spring	
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Housing material Die-cast alum	num, coated
Material of piston Die-cast alum	
Material of bearing POM	
Cam material High-alloy sta	nless steel
Material of screws High-alloy sta	
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