Semi-rotary drive DFPD-N-1200-RP-90-RS60-F1012-R3-EP Part number: 8084149

FESTO





Data sheet

Feature	Value
Size of valve actuator	1200
Flange hole pattern	F1012
Swivel angle	90 deg
End-position adjustment range at 0°	-5 deg5 deg
End-position adjustment range at nominal swivel angle	-5 deg5 deg
Shaft connection depth	29 mm
Fitting connection conforms to standard	ISO 5211
Mounting position	optional
Mode of operation	Single-acting
Design	Rack and pinion
Closing direction	Closes to the right
Valve connection conforms to standard	VDI/VDE 3845 (NAMUR)
Connection point for positioner and position sensor conforms to standard	VDI/VDE 3845 size AA 3
Device 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 realised by the spring force of the spring assembly.
Safety Integrity Level (SIL)	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 SRP/CS up to SIL 2 (Low Demand) Product can be used in SRP/CS up to SIL 1 (High Demand) Up to SIL 3 in a redundant architecture
Burst pressure	24 bar
Operating pressure	0.2 MPa0.8 MPa 2 bar8 bar 29 psi116 psi
Nominal operating pressure	0.6 MPa 6 bar 87 psi
Maritime classification	See certificate
CE mark (see declaration of conformity)	To EU Explosion Protection Directive (ATEX)
CE marking (see declaration of conformity)	To UK EX instructions

Explosion protection Explosion (APEX) Zone 12 (MEX) Zone 22 (MEX) Zone 24 (MEX)	Feature	Value
Zone 1 (NEXD) Zone 2 (ATEX) Zo	Explosion protection certification outside the EU	· /
German Technical Control Board (TÜV) Rheinland 968/V 1106.01/2023 ATEX category gas II 26 ATEX category dust II 20 Explosion ignition protection type for gas Ex h III CT 16 BX Explosion ignition protection type for dust Exh III CT 16 BX Explosion ignition protection type for dust Exh III CT 16 BX Explosion ambient temperature - 20°C < = Ta < + 80°C Ocmpressed air to ISO 8573-1:2010 [7:4:4] Develorating and pilot medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Urbicated operation possible (in which case lubricated operation will always be required) LABS (PWIS) conformity VOMA2436-81/82-1 Storage temperature 100 CC60°C Ambient temperature 100 Cque at nominal operating pressure and 0° swivel angle Possible (in which case lubricated operation prossible (in which case lubricated operation operating or Cque at nominal operating pressure and 90° swivel angle Possible (in which case lubricated operation operating operating pressure and 90° swivel angle Possible (in which case lubricated operation operating operating pressure and 90° swivel angle Possible (in which case lubricated operation operating operation operating operating operation operating operation operating operation operating operation operating operation operating opera	Explosion protection	Zone 1 (UKEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 21 (UKEX)
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