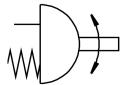
Semi-rotary drive DAPS-0960-090-RS3-F1216

Part number: 533494



Data sheet

Feature Value Size of valve actuator 0960 F12 Flange hole pattern F16 Swivel angle 90 deg End-position adjustment range at 0° -1 deg...9 deg End-position adjustment range at nominal swivel angle 81 deg...91 deg Shaft connection depth 48.5 mm Note on end-position adjusting range One end position optionally adjustable Fitting connection conforms to standard ISO 5211 No cushioning Cushioning Mounting position optional Mode of operation Single-acting Design Scotch yoke system Position detection Without **Closing direction** Closes to the right Valve connection conforms to standard VDI/VDE 3845 (NAMUR) Safety Integrity Level (SIL) To SIL 2 Low Demand mode Supply pressure for spring strength 0.42 MPa 4.2 bar 0.42 MPa...0.84 MPa Operating pressure 4.2 bar...8.4 bar Nominal operating pressure 0.56 MPa 5.6 bar Max. swivel frequency at 0.6 MPa (6 bar, 87 psi) 1 Hz CE mark (see declaration of conformity) To EU Explosion Protection Directive (ATEX) CE marking (see declaration of conformity) To UK EX instructions Explosion protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) German Technical Control Board North (TÜV Nord) 212170801 Certificate issuing authority ATEX category gas ll 2G ATEX category dust II 2D

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Feature	Value
Explosion ignition protection type for gas	Ex h IIC T6T3 Gb X
Explosion ignition protection type for dust	Ex h IIIC T85°CT200°C Db X
Explosion ambient temperature	-20°C <= Ta <= +60°C
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)
Corrosion resistance class CRC	3 - high corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Ambient temperature	-20 °C80 °C
Torque at nominal operating pressure and 0° swivel angle	1120 Nm
Torque at nominal operating pressure and 50° swivel angle	600 Nm
Torque at nominal operating pressure and 90° swivel angle	880 Nm
Note on torque	The operating torque of the actuator must not be higher than the maximum permissible torque listed in ISO 5211, with reference to the size of the mounting flange and of the coupling.
Spring return torque at 0° swivel angle	480 Nm
Spring return torque at 50° swivel angle	360 Nm
Spring return torque at 90° swivel angle	720 Nm
Spring strength	3
Air consumption at 0.6 MPa (6 bar, 87 psi) per cycle 0°-nominal swivel angle-0°	41.3 l
Product weight	42000 g
Shaft connection	T46
Pneumatic connection	G1/4
Note on materials	RoHS-compliant
Material cover	Wrought aluminium alloy
Material seals	FPM NBR PUR
Material housing	Wrought aluminium alloy
Material screws	High-alloy steel
Material shaft	High-alloy steel
Material number shaft	1.4305