

Semi-rotary drive

DRE-100-F12-Q10-FS-O

Part number: 561983

FESTO

Single-acting, air connection as per VDI/VDE 3845, Namur valves can be directly flange-mounted



Data sheet

Feature	Value
Size of actuator	100
Flange hole pattern	F12
Swivel angle	90 deg
End-position adjustment range at 0°	-4 ... 8 deg
End-position adjustment range at 90°	-8 ... 4 deg
Fitting connection conforms to standard	ISO 5211
Cushioning	No cushioning
Assembly position	Any
Mode of operation	single-acting
Design structure	Rack and pinion
Position detection	No
Closing direction	Spring force, closing
Valve connection conforms to standard	VDI/VDE 3845 (NAMUR)
Operating pressure	2 ... 10 bar
ATEX category Gas	II 2G
Explosion ignition protection type Gas	c T6
ATEX category Dust	II 2D
Explosion ignition protection type Dust	c 60°C
Explosion-proof ambient temperature	-20°C ≤ Ta ≤ +60°C
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (subsequently required for further operation)
CE mark (see declaration of conformity)	to EU directive explosion protection (ATEX)
Corrosion resistance classification CRC	3
Ambient temperature	-20 ... 80 °C
Torque at 6 bar	745 Nm
Spring return moment	267 Nm
Air consumption at 6 bar per cycle 0°-90°-0°	24 l
Product weight	22,900 g
Shaft connection	V27
Pneumatic connection	Sub-base G1/4
Materials note	Contains PWIS substances