

Semi-rotary actuator

DRD-77-F12-O

Part number: 560530

FESTO

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



Data sheet

Feature	Value
Size of actuator	77
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	double-acting
Design structure	Rack and pinion
Position detection	No
Valve connection conforms to standard	VDI/VDE 3845 (NAMUR)
Working 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 symbol (see declaration of conformity)	according to EU-Ex protection guideline (ATEX)
Corrosion resistance classification CRC	3
Ambient temperature	-20 ... 80 °C
Torque at 6 bar	770 Nm
Air consumption at 6 bar per cycle 0°-90°-0°	36 l
Product weight	19,000 g
Shaft connection	V27
Pneumatic connection	Subbase G1/4
Materials note	Contains PWIS substances