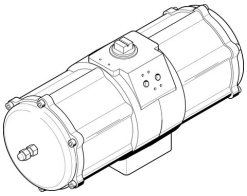
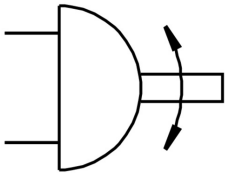
Quarter turn actuator
DAPS-3840-090-R-F16

Part number: 549671





Data sheet

Feature	Value
Size of valve actuator	3840
Flange hole pattern	F16
Swivel angle	90 deg
End-position adjusting range at 0°	-5 deg ... 5 deg
End-position adjusting range at nominal swivel angle	85 deg ... 95 deg
Depth shaft connection	49 mm
Type code	DAPS
Standard connection for valve	ISO 5211
Cushioning	No cushioning
Mounting position	Any
Mode of operation	Double-acting
Design	Scotch yoke system
Position sensing	None
Closing direction	Clockwise closing
Symbol	00991265
Valve connection conforms to standard	VDI/VDE 3845 (NAMUR)
Safety integrity level (SIL)	Up to SIL 2 high demand mode Up to SIL 2 low demand mode
Operating pressure	0.1 MPa ... 0.84 MPa
Operating pressure	1 bar ... 8.4 bar
Nominal operating pressure	0.56 MPa
Nominal operating pressure	5.6 bar
CE marking (see declaration of conformity)	as per EU explosion protection directive (ATEX)
Explosion prevention and protection	Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)
ATEX category gas	II 2G
ATEX category for dust	II 2D
Type of ignition protection for gas	Ex h IIC T6...T3 Gb X
Type of (ignition) protection for dust	Ex h IIIC T85°C...T200°C Db X
Explosive ambient temperature	-20°C <= Ta <= +60°C
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Corrosion resistance class (CRC)	3 - High corrosion stress
Ambient temperature	-20 °C ... 80 °C
Torque at nominal operating pressure and 0° swivel angle	3840 Nm

Feature	Value
Torque at nominal operating pressure and 50° swivel angle	1920 Nm
Torque at nominal operating pressure and 90° swivel angle	2880 Nm
Note about the torque	The actuator's operating torque must not be higher than the maximum permissible torque listed in ISO 5211, based on the size of the mounting flange and the coupling.
Air consumption at 6 bar per cycle 0°-nominal swivel angle-0°	179.2 l
Product weight	49000 g
Shaft connection	T46
Pneumatic connection	G3/8
Note on materials	RoHS-compliant
Cover material	Wrought aluminum alloy
Seals material	FPM NBR PUR
Housing material	Wrought aluminum alloy
Material of screws	High-alloy steel
Shaft material	High-alloy steel
Material number for shaft	1.4305