

# Rotary actuator DRRD-50-

Part number: 574405

FESTO



## Data sheet

Feature	Value
Size	50
Swivel angle	180 deg
Cushioning	Internal hydraulic cushioning, hard External hydraulic cushioning Internal hydraulic cushioning normal
Mounting position	Any
Structural design	Gear rack/pinion
Max. number of intermediate positions	1
Position sensing	For proximity sensor
Operating pressure	0.2 MPa...1 MPa 2 bar...10 bar
Mode of operation	Double-acting
CE marking (see declaration of conformity)	as per EU explosion protection directive (ATEX)
UKCA marking (see declaration of conformity)	acc. to UK EX instructions
Explosion protection certification outside the EU	EPL Db (GB) EPL Gb (GB)
Explosion prevention and protection	Zone 1 (ATEX) Zone 1 (UKEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 21 (UKEX) Zone 22 (ATEX)
ATEX category gas	II 2G
ATEX category for dust	II 2D
Type of ignition protection for gas	Ex h IIC T4 Gb
Type of (ignition) protection for dust	Ex h IIIC T120°C Db
Explosive ambient temperature	-10°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)
LABS (PWIS) conformity	VDMA24364 zone III
Ambient temperature	-10 °C...60 °C
Theoretical torque at 6 bar	53 Nm
Permissible mass moment of inertia	2 kgm²...20 kgm²

Feature	Value
Type of mounting	With through-hole With internal thread Optionally:
Pneumatic connection	G1/4
Note on materials	RoHS-compliant
Drive shaft material	Tempered steel
Cover material	Aluminum Anodized
Seals material	NBR TPE-U(PU)
Housing material	Wrought aluminum alloy Smooth anodized