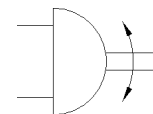
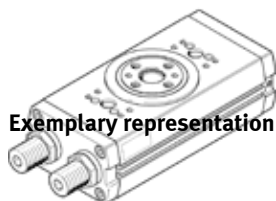


semi-rotary drive DRRD-50-

Part number: 574405

FESTO



Exemplary representation

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Size	50
Swivel angle	180 deg
Cushioning	Y10: internal hydraulic cushioning hard Y12: external hydraulic cushioning Y9: internal hydraulic cushioning normal
Assembly position	Any
Design structure	Rack and pinion
Max. number of intermediate positions	1
Position detection	For proximity sensor
Operating pressure MPa	0.2 ... 1 MPa
Operating pressure	2 ... 10 bar
Mode of operation	double-acting
CE mark (see declaration of conformity)	to EU directive explosion protection (ATEX)
UKCA marking (see declaration of conformity)	To UK EX instructions
Explosion protection certification outside the EU	EPL Db (GB) EPL Gb (GB)
ATEX category Gas	II 2G
ATEX category Dust	II 2D
Explosion ignition protection type Gas	Ex h IIC T4 Gb
Explosion ignition protection type Dust	Ex h IIIC T120°C Db
Explosion-proof ambient temperature	-10°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)
PWIS conformity	VDMA24364 zone III
Ambient temperature	-10 ... 60 °C
Theoretical torque at 0.6 MPa (6 bar, 87 psi)	53 Nm
Permissible mass moment of inertia	2 ... 20 kgm ²
Mounting type	with through hole with internal (female) thread Optional
Pneumatic connection	G1/4
Materials note	Conforms to RoHS
Material of drive shaft	Heat-treatment steel
Material cover	Aluminium Anodised
Material seals	NBR TPE-U(PU)
Material housing	Wrought Aluminium alloy Smooth anodised