

# Semi-rotary drive DRRD-50-

Part number: 574405

FESTO



 General operating condition

## Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Size	50
Swivel angle	180 deg
Cushioning	Internal hydraulic cushioning hard External hydraulic cushioning Internal hydraulic cushioning normal
Mounting position	Any
Design	Rack and pinion
Max. number of intermediate positions	1
Position detection	Via proximity switch
Symbol	00991265
Operating pressure	0.2 MPa ... 1 MPa
Operating pressure	2 bar ... 10 bar
Mode of operation	Double-acting
CE mark (see declaration of conformity)	To EU Explosion Protection Directive (ATEX)
UKCA marking (see declaration of conformity)	To UK EX instructions
Explosion protection certification outside the EU	EPL Db (GB) EPL Gb (GB)
Explosion 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 dust	II 2D
Explosion ignition protection type for gas	Ex h IIC T4 Gb
Explosion ignition protection type for dust	Ex h IIIC T120°C Db
Explosion ambient temperature	-10°C ≤ Ta ≤ +60°C
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
LABS (PWIS) conformity	VDMA24364 zone III
Ambient temperature	-10 °C ... 60 °C
Theoretical torque at 0.6 MPa (6 bar, 87 psi)	53 Nm
Permissible mass moment of inertia	2 kgm <sup>2</sup> ... 20 kgm <sup>2</sup>

<b>Feature</b>	<b>Value</b>
Type of mounting	With through-hole With female thread
Pneumatic connection	G1/4
Note on materials	RoHS compliant
Material drive shaft	Tempered steel
Material cover	Aluminium anodised
Material seals	NBR TPE-U(PU)
Material housing	Smooth-anodised