

# Semi-rotary drive DRRD-20-

Part number: 574400

**FESTO**



## Data sheet

Feature	Value
Size	20
Swivel angle	180 deg
Cushioning	Elastic cushioning rings/plates at both ends External hydraulic cushioning Internal hydraulic cushioning, soft Internal hydraulic cushioning normal
Mounting position	optional
Design	Rack and pinion
Max. number of intermediate positions	1
Position detection	Via proximity switch
Operating pressure	0.2 MPa...1 MPa 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)	2.41 Nm

Feature	Value
Permissible mass moment of inertia	0.04 kgm <sup>2</sup> ...0.15 kgm <sup>2</sup>
Type of mounting	With through-hole Via female thread Either:
Pneumatic connection	M5
Note on materials	RoHS-compliant
Material drive shaft	Tempered steel
Material cover	Wrought aluminium alloy Anodised
Material seals	NBR TPE-U(PU)
Material housing	Wrought aluminium alloy Smooth anodised