

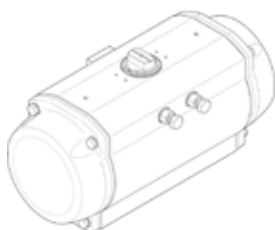
# Zakretni pogon

## DFPD-900-RP-90-RS60-F14-R3-EP

Broj artikla: 8065268

FESTO

single-acting, rack and pinion design, connection pattern to NAMUR VDI/VDE 3845 for mounting solenoid valves, position sensors and positioners, standard connection to process valve fitting ISO 5211, epoxy coating, stainless steel shaft.



## Tehnički podaci

Svojstvo	Vrednost
Veličina aktuatora	900
Šablon bušenja prirubnice	F14
Ugao zakretanja	90 deg
Podešavanje krajnjeg položaja kod 0°	-5 ... 5 deg
End-position adjusting range at nominal swivel angle	-5 ... 5 deg
Priključak vratila, dubina	38 mm
Armaturni priključak odgovara normi	ISO 5211
Položaj ugradnje	proizvoljno
Način funkcionisanja	jednosmerni
Konstruktivna struktura	Zupčasta letva / mali zupčanik
Smer zatvaranja	sa desnim zatvaranjem
Ventilski priključak odgovara normi	VDI/VDE 3845 (NAMUR)
Connection for positioner and position sensor conforms to standard	VDI/VDE 3845 size AA 3
Component suitable for safety functions	Safety device
Sigurnosna funkcija	The safety function consists of the actuator switching to the specified safety switching position when the compressed air is switched off and the spring chamber is exhausted. This switching movement is achieved through the spring force of the spring assembly.
Safety Integrity Level (SIL)	Proizvod se može primeniti u SRP/CS do SIL 2 niska potreba Up to SIL 3 in redundant architecture up to SIL 1 high demand mode
Sertifikovano za sigurnosnu funkciju prema ISO 13849 i IEC 61508 (SIL)	Proizvod se može primeniti u SRP/CS do SIL 2 niska potreba up to SIL 1 high demand mode Up to SIL 3 in redundant architecture
Operating pressure MPa	0,2 ... 0,8 MPa
Pogonski pritisak	2 ... 8 bar
Operating pressure	29 ... 116 psi
Nominal operating pressure	0,6 MPa
Nazivni pogonski pritisak	6 bar
Nominal operating pressure (psi)	87 psi
Maritime classification	see certificate
CE znak (vidi izjavu o usklađenosti)	prema EU-Ex-zaštita-smernica (ATEX)
UKCA marking (see declaration of conformity)	To UK EX instructions
Odobrenje Eksplozivne zaštite izvan EU	EPL Db (GB) EPL Gb (GB)
Mesto izdavanja sertifikata	DNV TAP00001CE German Technical Control Board (TÜV) Rheinland 968/V 1106.01/2023
ATEX kategorija gasa	II 2G
ATEX kategorija prašine	II 2D
Ex vrsta zaštite od zapaljivanja - gas	Ex h IIC T4 Gb X
Ex vrsta zaštite od zapaljivanja - prašina	Ex h IIIC T105°C Db X

Svojstvo	Vrednost
Ex temperatura okoline	-20°C ≤ Ta ≤ +80°C
Pogonski medijum	Kompresovani vazduh prema ISO 8573-1:2010 [7:4:4]
Napomena o mediju pogona i upravljanja	Tačka rose 10°C ispod temperature okoline, odnosno medija Nauljeni pogon je moguć (u daljnjem pogonu potreban)
Klasa korozione otpornosti KBK	1 - Low corrosion stress
PWIS conformity	VDMA24364-B1/B2-L
Temperatura ležaja	-20 ... 60 °C
Temperatura okoline	-20 ... 80 °C
Obrtni moment kod nazivnog pogonskog pritiska i 0° zakretnog ugla	593,5 Nm
Obrtni moment kod nazivnog pogonskog pritiska i sa uglom zakretanja 90°	323,6 Nm
Note about the torque	The operating torque of the actuator must not be higher than the maximum permissible torque listed in ISO 5211, with reference to the size of the mounting flange and of the coupling.
Opružni povratni moment kod zakretnog ugla 0°	325,1 Nm
Spring return torque at 90°	595 Nm
Mean Time to Dangerous Failure (MTTFd)	1126 years
Verovatnost grešaka po satu u [1/h].	1,01E-07
PFD (Verovatnost greške na zahtev)	7,8E-04
Air consumption at 0.6 MPa (6 bar, 87 psi) per cycle 0°-nominal swivel angle-0°	31,5 l
Težina proizvoda	30.395 g
Priključak vratila	T36
Pneumatski priključak	G1/4
Materijal - napomena	RoHS komfornost
Material of connecting plate	Anodised wrought aluminium alloy
Material cover	Die-cast aluminium, coated
Material seals	NBR
Material spring	Opružni čelik
Material housing	Anodised wrought aluminium alloy
Material piston	Aluminijumski odlivak
Material bearing	POM
Material cam	Čelik
Material screws	visokolegirani čelik, nerđajući
Material shaft	visokolegirani čelik, nerđajući