

Linear actuator with integrated digital positioner DFPI-... -C1V-NB3

General technical data

Mode of operation	Double-acting
Type of mounting	Mounting interface acc. ISO 15552
Positioner	integrated digital positioner (3-wire)
Piston diameter [mm]	100 ... 320
Stroke [mm]	X-stroke 40 ... 990
Connection	Sturdy flange socket for the protection of pneumatic and electric connections

General electrical characteristic data

Operating voltage range [V DC]	24 V ±10%
Nominal operating voltage [V DC]	24
Setpoint input [mA]	4 ... 20
Position feedback [mA]	4 ... 20
Digital Input	Digital Input for initialisation UNenn = 24 V DC

Operating and environmental conditions

Operating pressure [bar]	3 ... 8
Nominal operating pressure [bar]	6
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating/pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
Ambient temperature [°C]	-20...50
Degree of protection	IP65, IP67, IP69K, NEMA4
Corrosion resistance class	3
ATEX category	II 3GD

Material data

Piston rod	High-alloy stainless steel
Cylinder barrel	Anodised wrought aluminium alloy
Bearing cap	Coated die-cast aluminium
End cap	Coated wrought aluminium alloy
Tie rod	High-alloy stainless
Screws/Nuts	High-alloy stainless steel or coated steel
Piston rod wiper seal	Ø100 TPE-U (PU) Ø 125 ... 320 NBR
Note on materials	RoHS-compliant

DFPI-NB3 specific accessory parts

Adapter for direct mounting of ext. Positioner to actuator	DADG-AK-F6-A2
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ISO 15552 accessory parts in standard or corrosion-resistant version

"Foot and flange mountings"	HNC/CRHNC, HNG, FNC/CRFNG, FNG
Piston rod attachments and couplings	SGS, SGA, SG FK, KSG, CRSGS, CRSG, CRFK
Swivel flanges and clevis foot	ZNCF/CRZNG, LNZG, CRLNZG SNC, SNG, SNCB/SNCB-...-R3, SNGB, SNCS, SNCL, SNGL LN, LNG, LSNG, LSNSG, LBG, LQG, CRLNG
Proximity sensor for T-slot	CRSMT-8-..., CRSMT-8M-..., SMT-8M-A...EX2, SDBT-MS...EX6
Mounting kits for proximity sensors	SMBZ-8-32/100, DASP-M4-