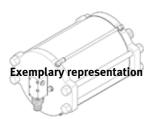
Linear actuator DFPI-250- -ND2P-C1V-P-A

Part number: 1548039 Product to be discontinued

with integrated electropneuamatic positioner, double-acting, piston diameter 250 mm, fastening interfaces for fittings according to DIN EN ISO 5210 on bearing cap, electric/pneumatic connection via metallic flange-type socket and connecting cable NHSB (accessories), 4-line, 24 VDC power supply, setpoint input 4...20 mA, position feedback signal 4...20 mA, advancing piston rod safety position.

Type to be discontinued. Available until 2024. See Support Portal for alternative products.





FESTO



Data sheet

Feature	Value
Size of actuator	250
Flange hole pattern	F10
	F14
Stroke	40 990 mm
Stroke reserve	4 mm
Piston diameter	250 mm
Fitting connection conforms to standard	ISO 5210
Cushioning	No cushioning
Assembly position	Any
Mode of operation	double-acting
Design structure	Piston
	Piston rod
	Tie rod
	Cylinder barrel
Position detection	With integrated displacement encoder
Measuring method: displacement encoder	Potentiometer
Polarity protected	for operating voltage
	for set point value
	Initialization connection
Operating pressure MPa	0.3 0.8 MPa
Working pressure	3 8 bar
Operating pressure	43.5 116 psi
Nominal operating pressure	0.6 MPa
Nominal working pressure	6 bar
Analog output	4 - 20 mA
Operating voltage range DC	21.6 26.4 V
Max. current consumption	220 mA
Nominal operating voltage DC	24 V
Setpoint input	4 20 mA
Authorization	RCM Mark
KC mark	KC-EMV
CE symbol (see declaration of conformity)	according to EU-EMV guideline
	according to EU-Ex protection guideline (ATEX)
	in accordance with EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC
	To UK EX instructions
	To UK RoHS instructions
Explosion protection certification outside the EU	EPL Dc (GB)



Value
EPL Gc (GB)
II 3G
II 3D
Ex ec IIC T4 X Gc
Ex tc IIIC T120°C X Dc
-5°C <= Ta <= +50°C
Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Lubricated operation possible (subsequently required for further
operation)
Tested in accordance with severity level 2
-5 50 °C
-5 40 °C
5 - 100 %
Condensing
IP65
IP67
IP69K
NEMA 4
Tested in accordance with severity level 2
-5 50 °C
28,698 N
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29,452 N
3.34821
3.4361
7,059 g
87 g
30,522 g
325 g
2 g
1 %FS
1 %FS
1 %FS
1.0% FS
1 %FS
5-pin
Straight plug / screw terminal
With specific accessories
For tubing outside diameter 8 mm
For tubing outside diameter 10 mm
With specific accessories
Contains PWIS substances
Conforms to RoHS
Anodised wrought aluminium alloy
Anodised wrought aluminium alloy
High alloy steel, non-corrosive
NBR
High alloy steel, non-corrosive
NBR
High alloy steel, non-corrosive
High alloy steel, non-corrosive
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