

Piezo valve VEVP-XA-4-B-T33C-F-D22-2

Part number: 8184037

FESTO



Data sheet

Feature	Value
Width dimension	16 mm
Valve function	3-way proportional pressure control valve closed
Structural design	Sub-base valve
Sealing principle	Soft
Actuation type	Electrical
Suitability for vacuum	Yes
Flow direction	Non-reversible
Standard flow rate (standardized according to DIN 1343)	18 l/min
Degree of protection	IP65
LABS (PWIS) conformity	VDMA24364 Zone III
Suitability for the production of Li-ion batteries	Suitable for battery production with reduced Cu/Zn/Ni values (F1a)
Note on materials	RoHS compliant
Housing material	PA66-GF30 TPE-U(PU)
Seals material	NBR
Product weight	85.5 g
Nominal width	1.2 mm
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gases Oxygen
Information on operating and pilot media	Operation with oil lubrication not possible Condensation in the valve not allowed if the operating medium contains concentrated oxygen, sufficient ventilation with ambient air must be ensured in order to avoid increased oxygen concentrations in the environment Maximum particle size 40 µm
Operating pressure	0.2 MPa 2 bar 29 psi
Information on operating pressure	corresponds to the maximum pressure range between pneumatic connection 1 and connection 3
Nominal operating voltage DC	24 V
Storage temperature	-20 °C...70 °C
Temperature of medium	5 °C...50 °C

Feature	Value
Ambient temperature	5 °C...50 °C
Relative air humidity	5 - 85% Non-condensating
Climatic category	3K22 as per EN 60721
Pneumatic connection 2	Flange
Pneumatic connection 4	Flange
Pneumatic connection 1	Flange
Pneumatic connection 3	Flange
Vibration resistance	Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27