Piezo valve
VEVP-XA-4-B-T33C-F-D31-2

Part number: 8184034



Data sheet

Feature	Value
Grid dimension	16 mm
Valve function	3-way proportional-pressure regulator, closed
Design	Sub-base valve
Sealing principle	Soft
Type of actuation	Electrical
Suitability for vacuum	Yes
Flow direction	Non-reversible
Standard flow rate (standardised to DIN 1343)	42 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
Material housing	PA66-GF30 TPE-U(PU)
Material seals	NBR
Product weight	85.5 g
Nominal size	1.2 mm
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4] Inert gas Oxygen
Note on operating and pilot medium	Lubricated operation not possible Condensation in the valve not allowed If the operating medium contains concentrated oxygen, sufficient pressurisation with ambient air must be guaranteed in order to avoid increased oxygen concentrations in the environment Maximum particle size 40 µm
Operating pressure	0.7 MPa 7 bar 101.5 psi
Note on operating pressure	corresponds to the maximum pressure range between pneumatic port 1 and port 3
Nominal operating voltage DC	24 V
Storage temperature	-20 °C...70 °C
Media temperature	5 °C...50 °C

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