Proportional pressure control valve
VEAB-L-26-D9-Q4-V1-1R1
Part number: 8046299
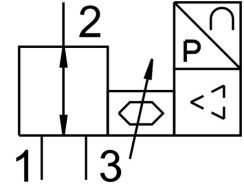
Data sheet

Feature	Value
Type code	VEAB
KC characters	KC EMC
Absolute accuracy in ± %FS at room temperature	0.75 %FS
Analog output signal range	0 - 10 V
Valve function	3-way proportional pressure control valve
Type of control	Direct
Reset method	Mechanical spring
Actuation type	Electrical
Mounting position	Any
Sealing principle	Soft
Symbol	00995607
Ambient temperature	0 ºC ... 50 ºC
Temperature of medium	5 ºC ... 50 ºC
Storage temperature	-20 ºC ... 70 ºC
Dimensions W x L x H	18 mm x 60.5 mm x 85 mm
Pneumatic connection 1	QS-4
Pneumatic connection 2	QS-4
Pneumatic connection 3	QS-4
Seals material	NBR
Type of mounting	Optionally: With through-hole With accessories
Inlet pressure 1	0 bar ... 6.5 bar
Outlet pressure 2	0.03 bar ... 6 bar
Standard nominal flow rate	≥20 l/min
Standard nominal flow rate 2-3	≥20 l/min
Linearity error FS	0.5 %
Repetition accuracy in ± %FS	0.4 %FS
Hysteresis in ± %FS	0.25 %FS
Temperature coefficient	0.05 %/K
Product weight	70 g
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gas
Information on operating and pilot media	Operation with oil lubrication not possible
Degree of protection	IP65
CE marking (see declaration of conformity)	As per EU EMC directive

Feature	Value
Note on materials	Contains paint-wetting impairment substances RoHS-compliant
Certification	RCM compliance mark
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
DC operating voltage range	19 V ... 29 V
Nominal operating voltage DC	24 V
Residual ripple	10 %
Reference value	0 - 10 V
Precision analog output in ± %FS	2 %FS
Max. electrical power consumption	1 W
Reverse polarity protection	for all electrical connections
Short-circuit protection	For all electrical connections
Safety instructions	VEAA/VEAB safety position: if the electrical power supply is lost, the outlet pressure is maintained in uncontrolled form, it may increase or fall – pneumatic valve blocked.
Display type	LED
Electrical connection	4-pin M8x1 Plug as per EN 60947-5-2
Housing material	PA-reinforced