

The valve 6430 is a servo-assisted 3/2-way piston valve. If the valve is not supplied with auxiliary pilot air, a minimum differential pressure is required for the function. Variants: For neutral liquids and gases in the pressure range 1-16 bar in the function NC and NO. - For technical vacuums up to 3 bar in the function NC and NO. - With auxiliary pilot air for vacuums up to 8 bar in the function NC and NO. All variants are available as an impulse version to secure the switching position even in the event of power interruptions. The Type 6430 is equipped with a manual override for start-up or manual operation (exception: impulse version). To reduce electrical power consumption during operation, coils with integrated "Kick and Drop" (KD) electronics featuring double coil technology are available. A maintenance-free, media-separated 3/2-way pivoted armature valve Type 0331 is used as a pilot valve. In combination with a plug to DIN EN 175301 – 803 Form A, the valves satisfy degree of protection IP65.

EAN Number: 4053913031476
 Commodity Codes: 84818079
 Country: DE

Technical attributes

Name	Value	Unit
Type	6430	
Operation	servo-controlled	
Actuator type	Pivot	
Main valve operating principle	Piston	
Switch function	on/off	
Media separation	Yes	
Valve function	D - normally open - inlet port 1 (P/NO) connected with outlet port 2 (B/OUT), exhaust port 3 (R/NC) closed	
Fluidic port connection number	3	
Valve function number of switching positions	2	
Valve function manual actuation	Yes	
Valve function manual actuation type	Rotary level and Key button combined	
Valve function manual actuation material	PA (Polyamide)	
Valve function manual actuation stop	Yes	
Valve function manual actuation screw slot	No	
Flow	Above seat	
Nominal pressure min	-1	bar
Nominal pressure max (liquid)	8	bar
Main valve orifice 1 (P) (mm)	12	mm
Main valve orifice 1 (inch)	7/16 inch	
Kv value (water)	2,6	m ³ /h
QNm value (gas)	2.800	l/min

Name	Value	Unit
Main valve wetted material	Brass	
Port connection 1 type	Inner thread	
Port connection 1 thread type	G	
Port connection 1 thread marking	1/2	
Port connection 2 type	Inner thread	
Port connection 2 thread type	G	
Port connection 2 thread marking	1/2	
Port connection 3 type	Inner thread	
Port connection 3 thread type	G	
Port connection 3 thread marking	1/2	
Valve seat material	Brass	
Pilot control material medium-contacting	Brass	
Seat seal material category	Elastomer	
Seat seal material	PUR (Polyurethane)	
Sealing toward outside material	NBR (Nitrile rubber)	
Temperature environment min	0	°C
Temperature environment max	55	°C
Temperature medium min	0	°C
Temperature medium max	80	°C
Voltage / rated voltage	24	V
Voltage / rated voltage	24	V
Voltage tolerance negative	0	%
Voltage tolerance positive	0	%
Voltage frequency	0	Hz
AC voltage	No	
DC voltage	Yes	
Battery voltage	Yes	
Rated power DC	8	W
Reduced power DC	8	W
Rated power consumption	8	W
Electrical connection sort	Plug pattern form A according to DIN EN 175301-803	
Electrical connection number of contacts	2 + Grounding conductor	
Cable plug in delivery	not included	
Electrical connection position	top	
Protection type (IP max. with suitable connector)	IP65	
Coil type	block bolted	
Coil insulation material (encasement)	Epoxy	
Coil wiring overvoltage protection	without	

Name	Value	Unit
Coil wiring rectifier	No	
Coil wiring polarity recovery diode	No	
Thermal insulation class of the actuator	H	
Nominal operation/Duty cycle	100	%
Switch time open min	23	ms
Switch time open max.	30	ms
Switch time close min	45	ms
Switch time close max.	60	ms
Valve setting opening time	No	
Valve setting closing time	No	
Back-pressure-resistant version	No	
Vacuum version	No	
Analysis version	No	
Oxygen version	No	
Oil burner valve	No	
Steam version	No	
Control auxiliary air connection type	G 1/8	
Low-noise version	No	
Main valve with integrated screen	No	
Installation length	76	mm
Valve construction	Valve complete	
Weight	1,25	kg