

Technical data sheet

G6125LCS





Type overview

| Туре | DN |
|----------|-----|
| G6125LCS | 125 |
| | |

Technical data

| Functional data | Valve size [mm] | 5" [125] | | |
|--------------------|-----------------------------------|---|--|--|
| | Fluid | chilled or hot water, up to 60% glycol, steam | | |
| | Fluid Temp Range (water) | 32350°F [0176°C] | | |
| | Fluid Temp Range (steam) | 32338°F [0170°C] | | |
| | Body Pressure Rating | ANSI Class 125, up to 175 psi below 150°F | | |
| | Flow characteristic | linear | | |
| | Servicing | repack/rebuild kits available | | |
| | Rangeability Sv | 100:1 | | |
| | Max Differential Pressure (Steam) | 50 psi [345 kPa] | | |
| | Flow Pattern | 2-way | | |
| | Leakage rate | ANSI Class III | | |
| | Controllable flow range | stem up - open A – AB | | |
| | Cv | 263 | | |
| | Maximum Inlet Pressure (Steam) | 100 psi [690 kPa] | | |
| Materials | Valve body | Cast iron - ASTM A126 Class B | | |
| | Valve plug | Stainless steel | | |
| | Stem | 316 stainless steel | | |
| | Stem seal | NLP EPDM (no lip packing) | | |
| | Seat | Stainless steel AISI 316 | | |
| | Pipe connection | 125 lb flanged | | |
| Suitable actuators | Non-Spring | EVB(X) | | |
| | Spring | (2*AFB(X)) | | |
| | Electrical fail-safe | AVKB(X) | | |

Safety notes



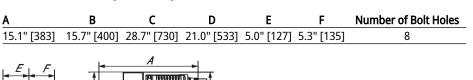
- WARNING: This product can expose you to lead which is known to the State of California to cause cancer and reproductive harm. For more information go to www.p65warnings.ca.gov
- The valve has been designed for use in stationary heating, ventilation and air-conditioning systems and must not be used outside the specified field of application, especially in aircraft or in any other airborne means of transport.
- Only authorized specialists may carry out installation. All applicable legal or institutional installation regulations must be complied during installation.
- The valve does not contain any parts that can be replaced or repaired by the user.
- When determining the flow rate characteristic of controlled devices, the recognised directives must be observed.

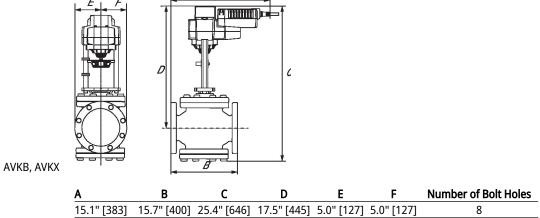


G6125LCS

| Dimensions | | | | | | | | |
|------------|--------------------|---------------|------------|-------------|-------------|--------------|------------|---------------------|
| Туре | | DN | | | | Weight | | |
| G6125LCS | | 125 | | | 1 | 47.74 lb [67 | kg] | |
| | EVB, EVX, RVB, RVX | | | | | | | |
| | | Α | В | С | D | E | F | Number of Bolt Hole |
| | | 15.7" [400] 1 | 5.1" [383] | 25.4" [646] | 17.5" [445] | 5.0" [127] | 5.0" [127] | 8 |
| | | | | | | | | |



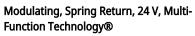






Technical data sheet

2*AFX24-MFT-S-X1







Technical data

| Electrical data | Nominal voltage | AC/DC 24 V |
|-----------------|-------------------------------------|--|
| | Nominal voltage frequency | 50/60 Hz |
| | Nominal voltage range | AC 19.228.8 V / DC 21.628.8 V |
| | Power consumption in operation | 7.5 W |
| | Power consumption in rest position | 3 W |
| | Transformer sizing | 20 VA |
| | Auxiliary switch | 2 x SPDT, 1 mA3 A (0.5 A inductive), DC 5 VAC 250 V, one set at 10°, one adjustable 1090° |
| | Switching capacity auxiliary switch | 1 mA3 A (0.5 A inductive), DC 5 VAC 250 V |
| | Electrical Connection | (2) 18 GA appliance cables, 1 m, 3 m or 5 m, with or without 1/2" conduit connectors |
| | Overload Protection | electronic throughout 095° rotation |
| Functional data | Operating range Y | 210 V |
| | Operating range Y note | 420 mA w/ ZG-R01 (500 Ω, 1/4 W resistor) |
| | Input Impedance | 100 k Ω for 210 V (0.1 mA), 500 Ω for 420 mA, 1500 Ω for PWM, On/Off and Floating point |
| | Operating range Y variable | Start point 0.530 V End point 2.532 V |
| | Operating modes optional | variable (VDC, PWM, on/off, floating point) |
| | Position feedback U | 210 V |
| | Position feedback U note | Max. 0.5 mA |
| | Position feedback U variable | VDC variable |
| | Direction of motion motor | selectable with switch 0/1 |
| | Direction of motion fail-safe | reversible with cw/ccw mounting |
| | Manual override | 5 mm hex crank (3/16" Allen), supplied |
| | Angle of rotation | 95° |
| | Angle of rotation note | adjustable with mechanical end stop, 3595° |
| | Running Time (Motor) | 150 s / 90° |
| | Running time motor variable | 70220 s |
| | Running time fail-safe | <20 s |
| | Override control | MIN (minimum position) = 0% MID (intermediate position) = 50% MAX (maximum position) = 100% |
| | Noise level, motor | 40 dB(A) |
| | Noise level, fail-safe | 62 dB(A) |
| | Position indication | Mechanical |
| Safety data | Power source UL | Class 2 Supply |
| | Degree of protection IEC/EN | IP54 |
| | Degree of protection NEMA/UL | NEMA 2 |



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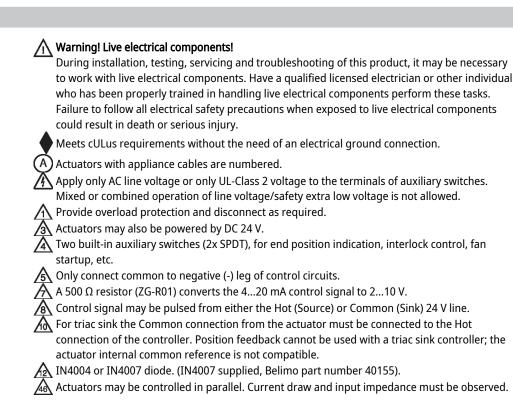
| Safety data | Enclosure | UL Enclosure Type 2 |
|-------------|---------------------|---|
| | Agency Listing | cULus acc. to UL60730-1A/-2-14, CAN/CSA E60730-1:02, CE acc. to 2014/30/EU |
| | Quality Standard | ISO 9001 |
| | UL 2043 Compliant | Suitable for use in air plenums per Section 300.22(C) of the NEC and Section 602 of the IMC |
| | Ambient humidity | Max. 95% RH, non-condensing |
| | Ambient temperature | -22122°F [-3050°C] |
| | Storage temperature | -40176°F [-4080°C] |
| | Servicing | maintenance-free |
| Weight | Weight | 9.26 lb [4.2 kg] |
| Materials | Housing material | Galvanized steel and plastic housing |
| | | |

Footnotes *Variable when configured with MFT options.

Accessories

| Gateways | Description | Туре |
|------------------------|---|---------|
| | Gateway MP to BACnet MS/TP | UK24BAC |
| | Gateway MP to Modbus RTU | UK24MOD |
| | Gateway MP to LonWorks | UK24LON |
| Electrical accessories | Description | Туре |
| | Service Tool, with ZIP-USB function, for programmable and communicative Belimo actuators, VAV controller and HVAC performance devices | ZTH US |
| Tools | Description | Туре |
| | Connection cable 10 ft [3 m], A: RJ11 6/4 ZTH EU, B: 3-pin Weidmüller and supply connection | ZK4-GEN |
| | Service Tool, with ZIP-USB function, for programmable and communicative Belimo actuators, VAV controller and HVAC performance devices | ZTH US |

Electrical installation





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