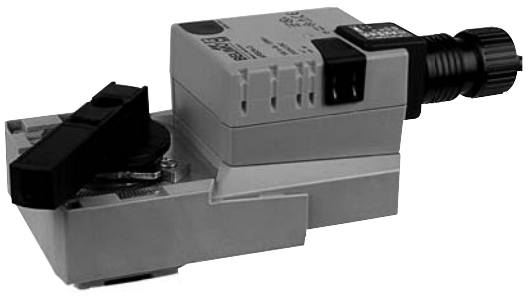
BELIMO

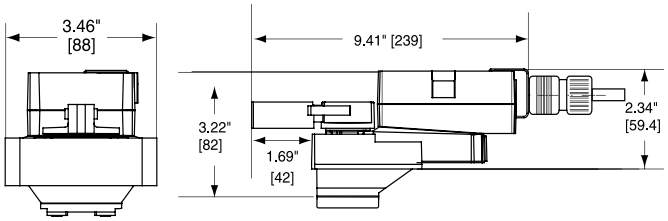


5 YEAR WARRANTY

CE LISTED 94 D5 TEMP.IND. & REG.EQUIP. c UL us

BRUSHLESS dc motor

Dimensions



Models

ARB120-SR
ARX120-SR Flexible Version

Technical Data	
Control	on/off, floating point
Power supply	100 to 240 VAC, 50/60 Hz (nominal) 85 to 265 VAC, 50/60 Hz (tolerance)
Power consumption running	3 W
holding	0.6 W
Transformer sizing	7.5 VA (class 2 power source)
Electrical connection	½" conduit connector 18 GA plenum rated cable
ARB120-SR	3 ft [1m]
ARX120-SR	3 ft [1m], 10 ft [3m], 16 ft [5m]
Overload protection	electronic throughout 0° to 95° rotation
Feedback output U	1 to 10 VDC, max 0.5 mA
Input impedance	600 Ω
Angle of rotation	90°, adjustable with mechanical stop
Direction of rotation	reversible with protected ↷/↶ switch
Position indication	handle
Manual override	external push button
Running time	
ARB120-SR	90 seconds
ARX120-SR	300, 150, 90 seconds, constant independent of load
Humidity	5 to 95% RH non-condensing (EN 60730-1)
Ambient temperature	-22°F to 122°F [-30°C to 50°C]
Storage temperature	-40°F to 176°F [-40°C to 80°C]
Housing	NEMA 2/IP54
Housing material	UL94-5VA
Agency listings†	cULus according to UL 60730-1A/-2-14, CAN/CSA E60730-1:02, CE according to 2004/108/EC and 2006/95/EC for line voltage and/or –S versions
Noise level	<45 dB(A)
Servicing	maintenance free
Quality standard	ISO 9001

† Rated impulse voltage 4kV, Control pollution degree 3, Type of action 1

Wiring Diagrams

INSTALLATION NOTES

△2 ***CAUTION** Equipment damage!*
Actuators may be connected in parallel.
Power consumption and input impedance must be observed.

△6 Only connect common to neg. (–) leg of control circuits.

△7 A 500 Ω resistor converts the 4 to 20 mA control signal to 2 to 10 VDC.

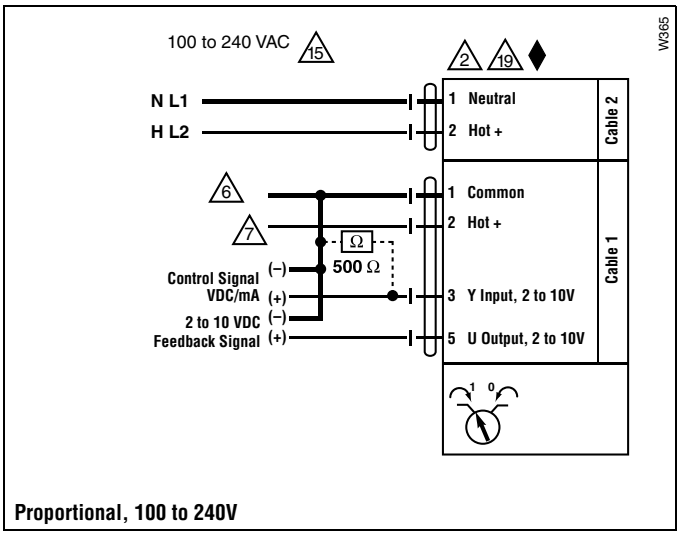
△15 ARB(X) can be supplied with both 120 VAC and 230 VAC.

△19 All 120 VAC and 230 VAC actuators use appliance rated cables.

APPLICATION NOTES

♦ Meets cULus or UL and CSA requirements without the need of an electrical ground connection.

⚠ ***WARNING** Live Electrical Components!*
During installation, testing, servicing and troubleshooting of this product, it may be necessary to work with live electrical components. Have a qualified licensed electrician or other individual who has been properly trained in handling live electrical components perform these tasks. Failure to follow all electrical safety precautions when exposed to live electrical components could result in death or serious injury.



Proportional, 100 to 240V