

Technical data sheet

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	10 VA
	Auxiliary switch	2x 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" NPT conduit connectors
	Overload Protection	electronic throughout 095° rotation
Functional data	Torque motor	20 Nm
	Operating range Y	210 V
	Operating range Y note	420 mA w/ ZG-R01 (500 Ω, 1/4 W resistor)
	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
	Enclosure	UL Enclosure Type 2



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Safety data	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	5.0 lb [2.3 kg]
Materials	Housing material	Galvanized steel and plastic housing
Footnotes	*Variable when configured with MFT	options.
ccessories		
Electrical accessories	Description	Туре
	Service tool, with ZIP-USB function, f communicative Belimo actuators, VA devices	
lectrical installation		
	who has been properly trained in has Failure to follow all electrical safety provide result in death or serious injurt Meets cULus requirements without the Actuators with appliance cables are Apply only AC line voltage or only UI Mixed or combined operation of line Provide overload protection and dis Actuators may also be powered by D Two built-in auxiliary switches (2x SF startup, etc. Only connect common to negative (- A 500 Ω resistor (ZG-R01) converts the Control signal may be pulsed from e For triac sink the Common connection connection of the controller. Position actuator internal common reference IN4004 or IN4007 diode. (IN4007 su Actuators may be controlled in para	the need of an electrical ground connection. numbered. L-Class 2 voltage to the terminals of auxiliary switches. e voltage/safety extra low voltage is not allowed. connect as required. OC 24 V. PDT), for end position indication, interlock control, fan -) leg of control circuits. he 420 mA control signal to 210 V. either the Hot (Source) or Common (Sink) 24 V line. on from the actuator must be connected to the Hot n feedback cannot be used with a triac sink controller; the e is not compatible.



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