

KITZ Electric Actuators EA SERIES

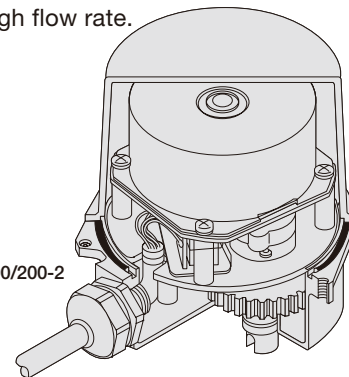


Features

Compact and light weight actuated valve.
Completely integrated assembly of valve and actuator.
Well balanced operating time to prevent water or steam hammer.
Low pressure loss and high flow rate.
Wide products range.

Available options

Integral electric relay.
Terminal Box.



Type EA100/200-2

Type EA actuator design specifications

Actuator type	EA100/120-1	EA220/240-1	EA110/120-1.5	EA220/240-1.5	EA110-2	EA120-2	EA240-2
Power supply	50Hz 110VAC 60Hz 120VAC	220VAC 240VAC	110VAC 120VAC	220VAC 240VAC	110VAC	120VAC	240VAC
Rated current (mA)	Max100	Max50	Max100	Max50	Max100	Max100	Max50
Power consumption [W]	12	12	12	12	11	12	12
90°operation time (second)	50Hz 6 60Hz 5	6 5	45 10	45 10	15 13	15 13	15 13
Rated output torque [In-lbs]	17.4	17.4	34.7	34.7	86.8	86.8	86.8
Rated time	Continuous						
Insulation class	JIS C4003 Class E (Equivalent to UL Class A)						
Switch contact capacity	250V AC 0.6A (least resistance load)				250V AC 3A (least resistance load)		
Limit switch	1 each for opening / closing						
Insulation strength	1 min./AC 1500VAC or 1 sec./AC 1800VAC						
Insulation resistance	10MΩ minimum / 500V DC						
Water-proof/dust-proof	Equivalent to IP56						
Ambient temperature [°F]	15 to 120						
Mounting orientation	Vertical to horizontal (No downward orientation)						
Wiring	Vinyl cabtyre cord with 5 cores (27.6 in long) 0.3mm ² (Equivalent to AWG22)				0.5mm ² (Equivalent to AWG20)		
Lubrication	Grease						
Overload protection	Impedance protect						
Painting color	Housing : Black Cover : Light Blue						

Compact KELMO® actuator: power sources and functional features

Actuator type	(H)ED12-2	(H)ED24-2	Actuator type	(H)ED12-2	(H)ED24-2
Power supply	12VDC	24VDC	Water-proof/dust-proof	NEMA 4/4X housing	
Rated current (mA)	520	260	Ambient temperature [°F]	-5 to 120	
Power consumption [W]	9	10	Mounting orientation	Vertical to horizontal (No downward orientation)	
90°operation time (second)	Approx. 5	Approx. 5	Wiring	Non-flammable cord with 4 cores (11.8 in long) AWG20 (UL AWM STYLE 2464)	
Rated output torque [In-lbs]	65.1	65.1	Lubrication	Grease	
Rated time (minute)	5	5	Overload protection	Thermistor	
Insulation class	JIS C4003 Class E (Equivalent to UL Class A)		Painting color	Housing : Black Cover : light blue	
Switch contact capacity	300V DC 5A (least resistance load)		Actuator weight (Approx) [lbs]	1.3	1.3
Limit switch	1 each for opening / closing				
Insulation strength	1 min./500VAC or 1 sec./600VAC				
Insulation resistance	10MΩ minimum / 500V DC				

Product Line Up

Type of actuator	Figure	CLASS125				
		Material	Port	Neck	End connection	Valve size range
Type C Double acting	AKTE	Bronze	2-way	Short	Threaded	3/8" to 2"
	AKTFE	Brass or Bronze	2-way	Short	Threaded	1/2" to 1 1/2"
	AKTLE	Bronze	2-way	Long	Threaded	1/2" to 2"
	AKTNE	Bronze	Horizontal 3-way	Short	Threaded	1/4" to 2"
	AKTGE	Bronze	2-way	Short	Threaded(with gland)	3/8" to 1"
	AKTUE	Bronze	2-way	Short	Male & Female threaded	1/2" & 3/4"
	AKTLUE	Bronze	2-way	Long	Male & Female threaded	1/2" & 3/4"
	AKUTE	Stainless Steel	2-way	Short	Threaded	1/4" to 2"
	AKUTFE	Stainless Steel	2-way	Short	Threaded	1/2" to 1 1/2"
	AKUTGE	Stainless Steel	2-way	Short	Threaded	1/4" to 1"
AKUTNE	Stainless Steel	Horizontal 3-way	Short	Threaded	1/4" to 2"	