

# EA20 Standard Series Low Torque

## MODEL

- Proportional actuators w/ built-in feedback potentiometer
- Open/Close contact closure input
- 240/120/24Vac models available
- 50 in-lbs torque, opt. NEMA 4
- Compatible with VB series valve

i n v e n s i s

# Eurotherm



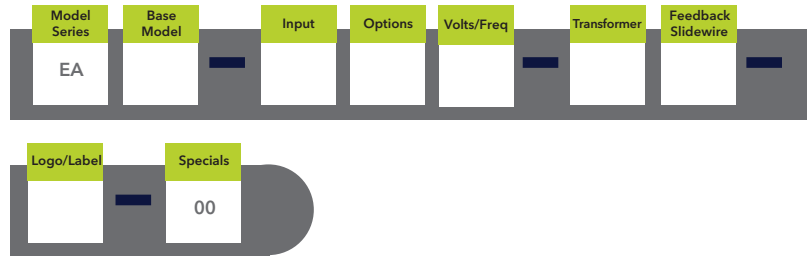
## Non-Spring Return Rotary Actuator Specification Sheet

In conjunction with primary loop controllers, these low torque non-spring return actuators proportionally position fuel valves, butterfly valves, dampers or other similar devices. The output shaft moves in both directions and can stop at any point in the stroke. Four models are available featuring a standard 100 $\Omega$  internal feedback slidewire and a selection of travel times and rotation limits. Not available with end limit switches, some models have auxiliary switches and a variety of optional features. The EA20 Series is UL and cUL or CSA listed, except for models with built-in transformers. CSA listed models are: EA21-00003-000-0-00, EA22-00000-000-0-00 and EA24-00000-000-0-00. The EA20 Series is compatible with the VB-7000- and VB-9000 valves in this catalog.

## Specifications

Control action:	Floating or proportional electric
Torque:	50 in-lbs
Shaft rotation:	Reversible proportional - 90° or 180° travel limit
Dimensions:	7" H x 5-3/8" W x 6-5/16" D
Weight:	8lbs.
Case:	Die cast aluminum with 2 Knockouts each side
Temperature:	-40 to 136°F (-40 to 58°C)
Humidity:	5 to 95% RH, non-condensing
Power consumption:	28 watts
Mounting:	Upright
Auxiliary switch:	Adjustable SPDT snap acting, factory set to close one contact and open the other at end of clock-wise rotation

## Ordering codes



Base Model		Voltage/Frequency	
21	90° travel limit, 12 sec, 50 in-lbs torque, no aux switch	0	120Vac, 60Hz
22	180° travel limit, 25 sec, 50 in-lbs torque, no aux switch	3	240Vac, 60Hz (n/a with EA21, EA23, EA24)
23	90° travel limit, 12 sec, 50 in-lbs torque, aux switch	4	240Vac, 50Hz (n/a with EA21, EA23)
24	180° travel limit, 25 sec, 50 in-lbs torque, aux switch	5	24Vac, 60Hz (n/a with EA21, EA23)
Input		Transformer	
00	Contact	00	None
11	4-20mA dc 658A-00001	01	Built in 120-24Vac**
12	4-12mA dc 658A-00002	02	Built in 240-24Vac**
13	12-20mA dc 658A-00003		
14	2-12mA dc 658A-00004	Slidewire	
15	2-7mA dc 658A-00005	0	100 Ω
16	7-12mA dc 658A-00006	1	135 Ω
19	Special 658A-00008-x*	2	300 Ω
31	4-20mA dc 659A-00000	3	1000 Ω
		Logo/Label	
		E	Eurotherm
		Specials	
		00	None

Model 658A is a current-to-position converter; Model 659A is a resistance-to-position converter.

In order to be weather resistant, rain tight input converters also require cover option 31-37.

\*Consult factory

Options	
00	None
01	2 aux. SPDT switches
02	4 aux. SPDT switches
03	Rear Shaft
04	100 Ω rear slidewire
05	100 Ω rear slidewire, 2 switches
06	1000 Ω rear slidewire
07	1000 Ω rear slidewire, 2 switches
31	100 Ω rear slidewire, NEMA 4 cover
32	Two 100 Ω rear slidewires, NEMA 4
33	Three 100 Ω rear slidewires, NEMA 4
37	NEMA 4 cover

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