



ECON® Electric actuator Series: ELSA Type: 7917-Ex Spring return Explosion-proof

Characteristics

Series: ELSA
Type: 7917-Ex
Transmission: Quarter turn
Top flange standard: ISO 5211
Explosion-proof: Yes
Ex-class: II 2G Ex db IIB T4 Gb, II 2D Ex tb IIIC T130 °C Db
Spring return: Yes
Emergency manual operation: Yes
Potential free switch contact: Yes
Torque switch: No
With mechanical setting indicator: Yes
Material housing: Aluminium
Material cover: Aluminium
Surface protection: Polyester coated
Material shaft: Steel
Material mounting garniture: Stainless steel
Min. ambient temperature: -30 °C
Max. ambient temperature: 70 °C

Application

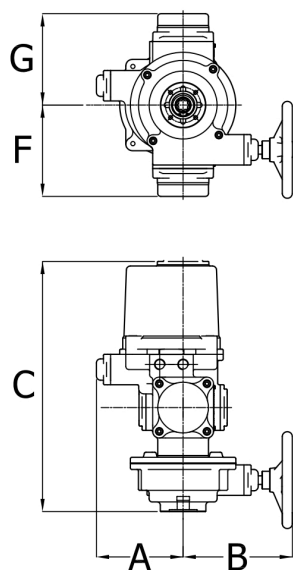
- Suitable for ball valves, ball check valves, butterfly valves and valves without stuffing box/plug valves.
- Industrial and maritime applications.

Technical Information

- Connection voltage: 24VDC and 24VAC; 1 phase 50/60Hz: 115VAC and 230VAC $\pm 10\%$; 3 phases 50/60Hz: 230VAC, 380VAC and 440VAC $\pm 10\%$.
- Explosion-proof housing according to: Ex dB IIB T4 GB, Ex tb IIIC T130°C dB.
- Provided with heater for anti-condensation.
- Thermal protection of the electric motor.
- Protection class: IP68 (7m/72h).
- Ambient temperature: -30°C to +70°C.
- Fail-safe position: Normally closed. However, a fail-safe open position is also possible.

Options

- Potentiometer (0~1 kΩ or 0~5 kΩ).
- Proportional control unit for modulating applications (input, output 2~10 VDC, 4~20 mA).
- Floating control: The actuator can thus be stopped in any intermediary position (0° to 90°).
- For larger fail-safe actuators, electro-hydraulic actuators from ECON can be supplied with a torque of up to 250,000 Nm.



Size table:

Model	A mm	B mm	C mm	F mm	G mm	Weight kg
ELSA50Ex	171	216	539	180	180	27
ELSA130Ex	247	237	642	231	231	57.5
ELSA200Ex	305	284	736	300	300	95
ELSA260Ex	305	284	736	300	300	95

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	Mounting Flange	Shaft (A)	Depth of Shaft (B)	Torque	Motor Power	Weight in kg	
Model	ISO 5211	mm	mm	Nm	Watt	Without manual override	With manual override
ELSA50	F07	17	30	50	50	27	37
ELSA130	F10	22	41	130	130	57,5	74,5
ELSA200	F12	27	45	200	130	95	135
ELSA260	F12	27	45	260	130	95	135

Model	Connection voltage	Mounting flange	Square dimensions	Torque	Level of protection (IP value)	Type of regulation	Article
			mm	Nm			
ELSA50Ex	24V DC	F07	17	50	IP68	Open-close	13524592
ELSA50Ex	230V AC	F07	17	50	IP68	Open-close	13524588
ELSA130Ex	24V DC	F10	22	130	IP68	Open-close	13524593
ELSA130Ex	230V AC	F10	22	130	IP68	Open-close	13524589
ELSA200Ex	24V DC	F12	27	200	IP68	Open-close	13524594
ELSA200Ex	230V AC	F12	27	200	IP68	Open-close	13524590
ELSA260Ex	24V DC	F12	27	260	IP68	Open-close	13524595
ELSA260Ex	230V AC	F12	27	260	IP68	Open-close	13524591

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