

**ELECTRICAL ACTUATOR – CONDUIT VERSION
 (Part No. 304205030)**

The electrical actuator electrically operates the system’s master container. The electrical actuator is fitted with an internal placement switch to provide a fault indication at the panel if incorrectly fitted. A manual, manual-pneumatic, pneumatic, or CPM actuator fits on top of the electrical actuator.

The reset tool is attached to the actuator.

Note: If no additional actuator is fitted to the top of the electrical actuator, the protection cap must remain in place.

Location on system

The electrical actuator is installed to the top of the container valve.



**FIGURE 2-15
 ELECTRICAL ACTUATOR**
 E001130

Technical information

Body:	Mild steel and dull nickel	Life span:	25 years
Body finish:	Electroless nickel plate	Testing:	100% check on start / finish position
Actuation pin:	Stainless steel	Maximum humidity:	80% to 90% RH non-condensing
Loose nut:	Brass CZ121 (CW614N)	Ingress Protection class:	IP54
Actuation type:	Latching	Approvals and listings:	UL, FM, and CE
Reset requirement:	Manually with reset tool supplied	Certification:	EN 12094-4
Connection:	1 in. BSPP	CE certification number:	0832-CPR-S0072 2831-CPR-S0072
Nominal voltage:	24 VDC	Year of CE marking:	2019
Minimum firing voltage:	CE 20.5 VDC UL 864 65% of nominal voltage (15.6 VDC)	CE marking requirements:	Manufacturer’s mark, part number, serial number, 24 VDC , 0.90 A, CE ₀₈₃₂ or CE ₂₈₃₁
Minimum current:	0.32 A	Method of marking:	Laser or engraved
Nominal current:	0.43 A	Overall size:	132 mm (L) x 73 mm (W) (5.19 in. (L) x 2.87 in. (W))
Maximum current:	0.54 A	Weight:	1 kg (2.2 lb)
Maximum monitoring current:	30 mA	Actuation force / PIN travel:	Minimum 66.4 N at 1 mm from unactivated Minimum 60.7 N at 2 mm from unactivated Minimum 55.0 N at 3 mm from unactivated Minimum 49.3 N at 4 mm from unactivated
Minimum duration of trigger signal:	1 s		
Duty:	Continuous		
Manual actuation force:	50 N (11.00 lbf)		
Nominal pin travel:	4.57 mm (0.18 in.)		
Electrical connection:	1/2 in. NPT Female conduit with inbuilt bridge rectifier		
Back EMF protection:	Bridge rectifier		
Working temperature range:	-20 °C to 50 °C (-4 °F to 122 °F) (CE) -18 °C to 54 °C (0 °F to 130 °F) (UL and FM)		