MACRON DATA SHEET

Description:

Removable Electrical Actuator (0.25A) UL

Location on System

Connected to the top of the container discharge valve (between valve and manual actuator) or pilot cylinder valve (between valve and manual actuator).

Installation Instructions

Mechanical Installation: Install the electrical actuator onto the discharge valve hand tight only. Ensure the unit is reset in the non fire position (height from end of pin to base 4.8 to 5.2mm) before fitting.

Flectrical Installation: The electrical actuator is supplied with a DIN plug. Connect positive supply from control panel to terminal 1, negative supply to terminal 2. Nominal supply is 24y dc, maximum monitoring current 25mA.

Operating Instructions

The electrical actuator will operate after receiving a 24v dc nominal voltage signal from the panel. The electrical actuator will latch in the fire position after the signal terminates. The electrical actuator will require to be manually reset by removing the unit from the valve and inserting (screwing in) the reset tool.

Works Instructions

This is a purchased item and as such does not fall under any works instructions used in the manufacturing.

Maintenance Instructions

Remove actuator from valve assembly. Apply 24v dc and obverse correct functionality (energised pin position 0.3mm to 0.5mm from base of actuator). Terminate supply voltage and reset electrical actuator by fitting (screwing in) plastic reset tool into base. Once reset, remove reset tool and reinstall on valve assembly. In case of faults or suspected faults contact the Macron customer services to organize replacement.

System Operating Conditions (temp range)

FM-200 $^{\$}$ 0°C (20.2bar) to 50°C (33.4bar). Sapphire $^{\text{TM}}_{--}$ -20°C (20.2bar) to 50°C (28.6bar). Sapphire[™] -20°C (34.3bar) to 50°C (47.8bar). Nitrogen -20°C (43.2bar) to 50°C (55.1bar).

Functional Description

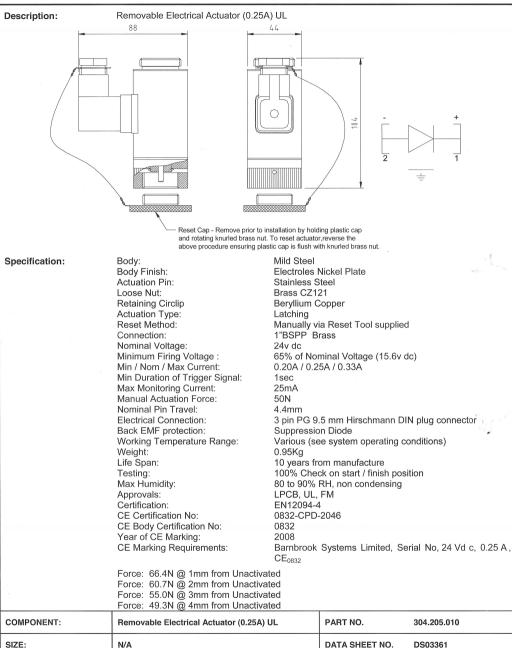
The electrical actuator is activated by a voltage signal from the control panel. The voltage signal de-energises the permanent magnet, allowing the spring to push and latch the actuator pin into the fire position. The electrical actuator can be reset using the supplied reset tool once the voltage signal is terminated.

COMPONENT:	Removable Electrical Actuator (0.25A) UL	PART NO.	304.205.010		
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