FIRETRACE®
ENGINEERED FIRE SUPPRESSION SYSTEMS

Technical Datasheet
FTFDOC-007-001

Electric Solenoid • 500 psi [34.5 bar]

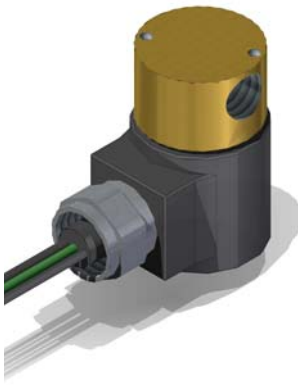
designed for use with

3M™ Novec™ 1230 Fire Protection Fluid

UL LISTED

Description

The Electric Solenoid Valve is a normally closed valve that requires electrical energy to open. This opening vents the pressure from the top of the piston in the cylinder valve, allowing the piston to slide upward and commence cylinder discharge. The Electric Solenoid Valves are available in 6 VDC, 12 VDC, 24 VDC and 120 VAC. The source of the electrical energy will determine the number and rating of the electrical solenoid used. The solenoid circuit must be supervised for a break in the wiring, a ground or a short circuit. The cylinder discharge valve that is equipped with a solenoid valve is to be connected to a Control Panel that is UL Listed for releasing devices and compatible with Firetrace Fire Suppression equipment.



NOTE: Two 12 VDC solenoids can be wired in series in a 24 VDC actuating circuit.

Connect solenoid wires to actuation circuit wires. This should be accomplished by properly terminating the wires within a junction box or by means designated by the authority having jurisdiction.

Whenever an Electric Solenoid is used as the sole means of actuation, a top plug must be used to seal the top of the cylinder valve.

Part Number

Prior to wiring the solenoid to the actuation circuit, check to be sure that the solenoid rating matches the actuating circuit voltage.

Part Number	Description	Electrical Rating
FTF 500012	Electric Solenoid	12 VDC 0.385 Amp
FTF 500013	Electric Solenoid	12 VDC 0.385 Amp (Explosion Proof)
FTF 500024	Electric Solenoid	24 VDC 0.32 Amp
FTF 500025	Electric Solenoid	24 VDC 0.32 Amp (Explosion Proof)
FTF 500120	Electric Solenoid	120 VAC 0.16 Amp
FTF 500121	Electric Solenoid	120 VAC 0.16 Amp(Explosion Proof)
FTF 500006	Electric Solenoid	6 VDC 1.52 Amp
FTF 500007	Electric Solenoid	6 VDC 1.52 Amp (Explosion Proof)
FTF 501212	Electric Solenoid	490 L (1,300 LB. [590kg]) 12 vDC
FTF 501224	Electric Solenoid	490 L (1,300 LB. [590kg]) 24 vDC

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