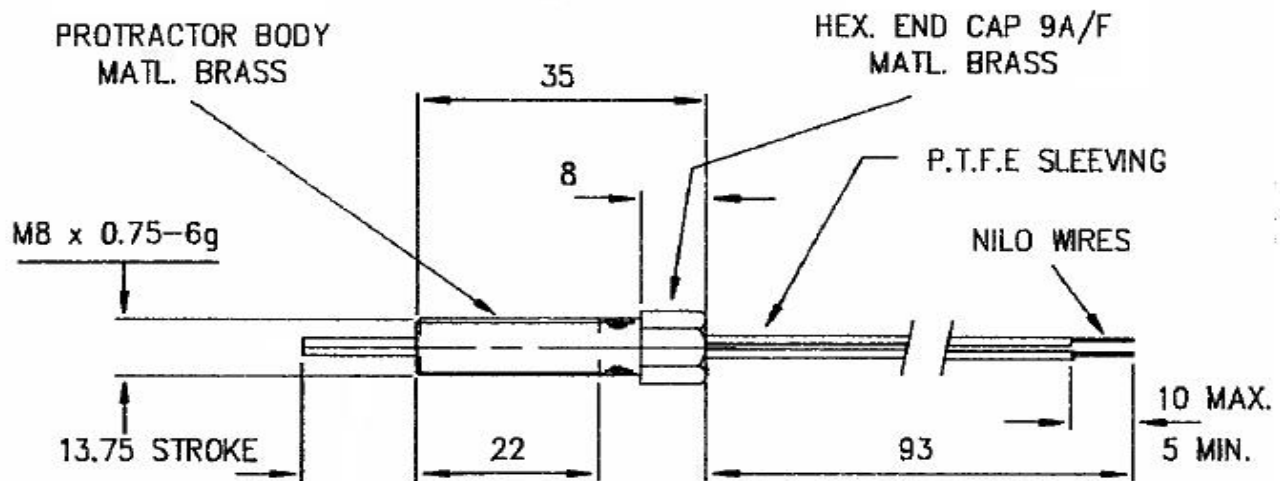




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THE LEADER IN PRE-ENGINEERED FIRE SUPPRESSION TECHNOLOGY

CF-1600 Metron Actuator Specifications & Cut Sheet:



All Measurements in drawing are listed in metric.

Nominal Energy:	6 millijoules
Maximum No Fire Current:	30 sec pulse 0.15 A / 0.050 sec pulse 0.3 A
Maximum Monitoring Current:	0.01 A
Actuator Resistance:	0.9 - 1.134 Ohms when used with Potter Panel / Accessories 0.9 - 1.6 Ohms when used with non-validated equipment
Low Temperature Rating:	-40°F / -40°C
High Temperature Rating:	212°F / 100°C
Diameter:	0.315" / 8mm
Length:	0.54" Stroke + 1.38" Body / 13.75mm + 35mm
Unit Weight:	0.5 oz. / 14.18g

CF-1600 Metron Actuator in use with Potter Signal products:

The number of actuators that can be fired from any Potter release panel is determined by the total circuit resistance and the power limitations of the panel outputs. Total circuit resistance is defined as the resistance of the wire and actuators combined. The maximum allowable resistance including all actuators and wire is 19.4 ohms for each output on either Potter panel.

Providing a maximum of 500 feet of 14 AWG wire per circuit:

A maximum of 12 actuators can be connected to each output of the PFC-4410RC.

A maximum of 16 actuators can be connected to each NAC output of the PFC-6075R.

A maximum of 10 actuators can be connected to each I/O circuit of the PFC-6075R.

A maximum of 8 actuators can be connected to the MOM. The power of the MOM shall only be provided by the I/O or NAC circuit of the PFC-6075R that is programmed as a release output.

A maximum of 16 actuators can be connected to each output of the PSN1000 power supply.

NOTE: The maximum number of actuators allowed is dependent on total circuit resistance. The total circuit resistance cannot exceed 19.4 ohms per output, regardless of the number of actuators on the circuit. This means that depending on the resistance of the actuators being used, it may not always be possible to connect the maximum number of actuators to a panel output. When calculating maximum number of actuators in use with a Potter panel, power booster, or accessories; use 0.9 – 1.134 ohms resistance. When using a non-validated piece of equipment 0.9 – 1.6 ohms must be used for resistance calculations.

Hazardous Atmospheres: Incendivity tests in 9% methane/air mixtures have been carried out in accordance with the M and Q Testing Memorandum No.13 published by the U.K. Health and Safety Executive. The tests gave no ignitions in 200 firings.

Actuators have been fired in an explosive gas mixture. The test mixture was 40% hydrogen, 20% oxygen, and 40% nitrogen, as described in Appendix 1, of BASEEFA. Certification Standard SFA3007: 1981. The tests (conducted in the gas mixture giving the most severe conditions specified in accepted standards for apparatus intended to be used in hydrogen/air mixtures) gave no ignitions in 200 firings.

Listings / Approvals:



& UL Recognized