

Attachment switch for NFPA compliance

General

This product is for PDS to comply with NFPA 4.3.4. The product can be mounted directly on the 308142 or 308143 Solenoid valve. The switch ensures that the solenoid is securely connected to the valve. The product is intended to be used in a ATEX Zone 2 classified area.

Electrical connection

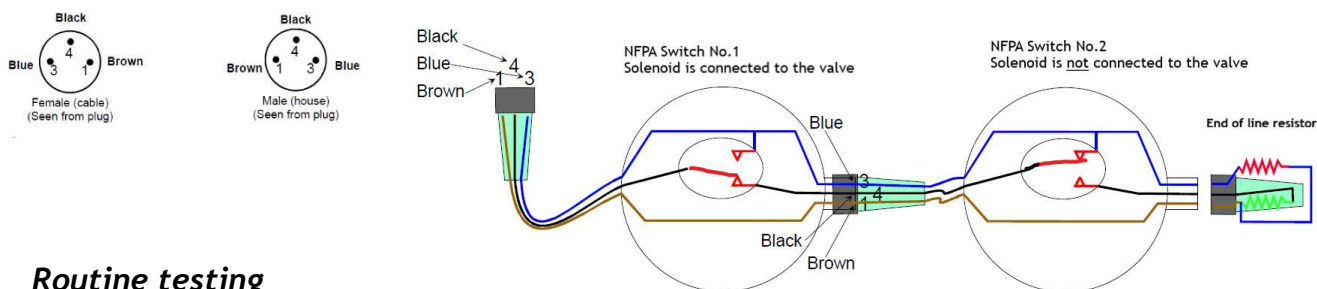
The 2 m cable 303003 (NOT included) is connected to the monitoring circuit, by connecting the brown and the black wire.

Several switches can be connected in a daisy-chain with an end of line resistor at the last switch. In this way a full monitoring of all switches is possible, eliminating the risk of having short circuits or broken lines not being indicated as a fault.

If one of the solenoid valves are disconnected, the whole circuitry will indicate fault.

If the distance between switches is too long, extensions cables are available in following editions: 303004 0,6m, 303005 1,0m, 303006 2m.

The M8 connectors are numbered and wires are colored as follows:



Routine testing

Verify correct circuitry by removing the solenoid and the end of line resistors annually. Local authorities may require additional testing.

Specifications

Area Classification "Gas":

Zone 2: Area in which an explosive atmosphere in the form of gas concentration in air can occur for a short period due to a breakdown or malfunction.

Ambient temperature: -20 to +89°C

Switch rating 250Vac 1A

Materials: Brass, Polyamide

End of line resistor (included): Item no. 303002 Terminator M8-3 -OR0

Other editions are available

Markings:

Switch: Microswitch MFI-5EX:

Class II 3G Zone 2.

IECEx EXA 17.0002U

Document: 308147

Text

Category:

Control Inert

Id: IO/MRP

Rev:2025-02-27



FIRE EATER 1/2

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