

HSN-ACT-S01/S02

Solenoid Actuator

HONEYWELL GAS EXTINGUISHING SYSTEM

The Solenoid Actuator attaches to the primary cylinder at the valve actuation connection and is utilized to automatically open the cylinder valve upon receipt of a signal from the control panel or other source.

Solenoid actuator for DN12 valve system (P/N: HSN-ACT-S01)

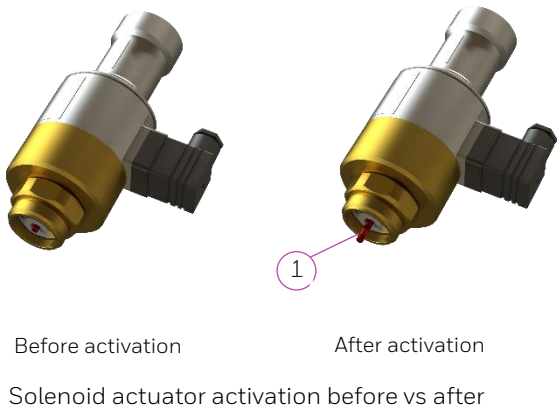
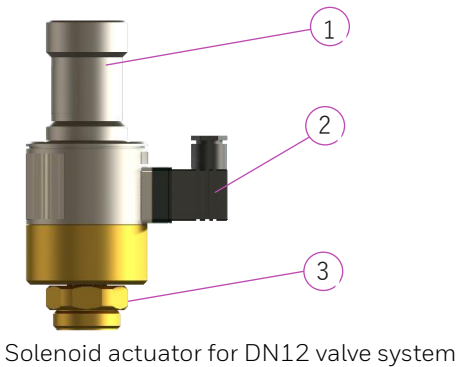
The automatic release of FK-5-1-12 clean agent is controlled by a forged brass, differential pressure operated cylinder valve connected to the neck of the cylinder. Each cylinder and valve assembly are provided with a safety cap and a protection cap which is a safety feature to prevent uncontrolled, accidental discharge. Discharge valve assembly is available in three sizes DN12, DN33 and DN50.

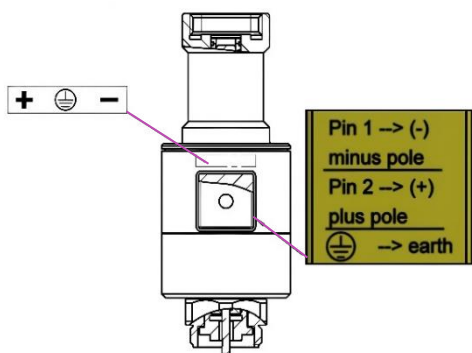
Solenoid Actuator for DN12 valve system	
No.	Description
1	Connection for manual actuator
2	Connector plug for wiring
3	Connection to cylinder valve

Solenoid Actuator Pin Position	
No.	Description
1	Solenoid actuator falling pin

Important Notice:

After the solenoid actuator is activated, the pin will fall downwards. The falling pin must be reset by pushing up as before activation. Otherwise, if the solenoid actuator assembly to top on valve with falling pin, the system will discharge incorrectly. To avoid this, the falling pin must be reset by special tool.





IMPORTANT NOTICE:

The Solenoid Actuator circuit must be supervised for a break in the wiring, a ground, or a short circuit. Make sure that the pilot wire is free of any voltage when assembling the connector; otherwise, an inadvertent activation of the extinguishing system could be caused.

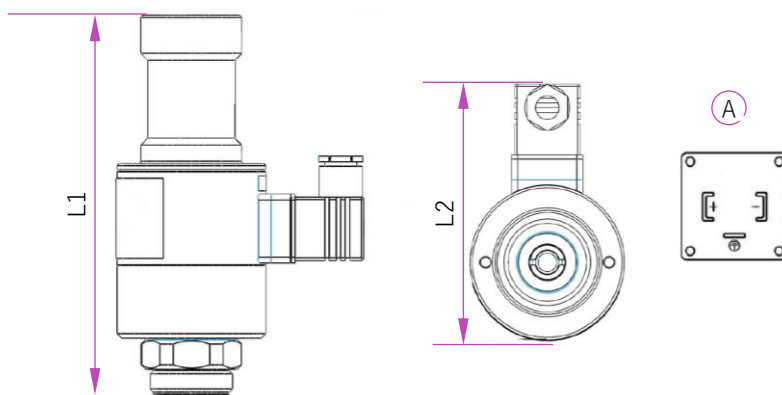
Solenoid actuator wiring connection.

Materials:

Body, screws, cap nuts, seals: Brass, stainless steel, nickel-plated steel, elastomeric seals, plastic

Electrical Data of Solenoid Actuator for DN12 valve system	
Voltage	24 VDC (+/-10%)
Temperature range	-20 °C to +50 °C
Max. current at 20 °C	0.5 A
Power input	4.5 W
Duty cycle	100% ED
Permanent magnet	Nd-Fe-B
Permanent diagnostic current	0.02 A
Protection class (DIN VDE 0580)	IP 65 (With assembled cable connector and attached sealing)

Table 2.12. Features of Solenoid Actuator for DN12 valve system	
L1	160mm
L2	108mm
A	Male connector plug socket DIN EN 175301-803 Form A

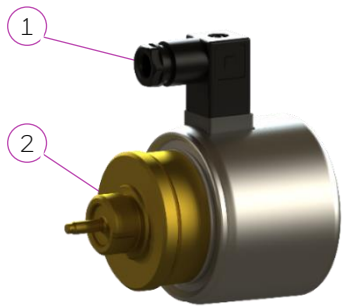


Solenoid actuator dimensions

Solenoid actuator for DN33 & DN50 valve system

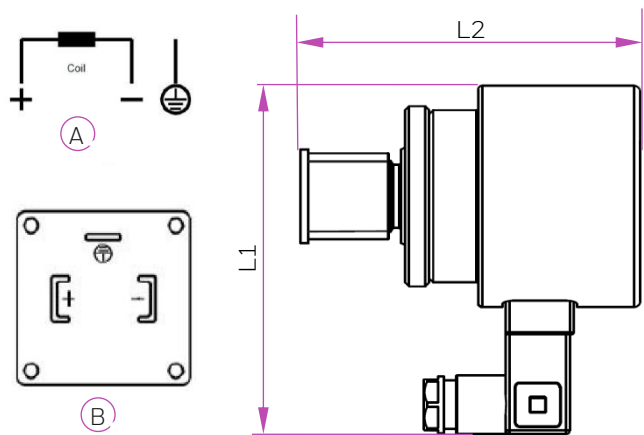
(P/N: HSN-ACT-S02)

The Solenoid Actuator attaches to the primary cylinder at the valve actuation connection and is utilized to automatically open the cylinder valve upon receipt of a signal from the control panel or other source.



Solenoid actuator

Solenoid actuator for DN33 & DN50 valve	
No.	Description
1	Connector plug for wiring
2	Connection to cylinder valve



Solenoid actuator features

Features of Solenoid actuator for DN33 & DN50 valve	
L1	89mm
L2	85mm
A	Solenoid circuit
B	Male connector plug socket DIN EN 175301-803 Form A

Materials:

Body, internal components, seals: Brass, stainless steel, nickel-plated steel, elastomeric seals, plastic

IMPORTANT NOTICE:

The solenoid actuator shall be installed during the commissioning phase only so to avoid incorrect manipulation and possible accidental activation of the system, which would discharge the agent. This type of solenoid actuator does not need to be reset by special tool. The solenoid actuator will be automatic reset when 24V DC energy will be off.

Electrical Data of Solenoid Actuator	
Voltage	24 VDC (+/-10%)
Temperature range	-20 °C to +50 °C
Max. current at union and RT	0.4 A
Power consumption at union and RT	9.5 W
Duty cycle	100% ED
Class of insulation	F
Protection class (DIN 40050)	IP 65 (With assembled cable connector and attached sealing)

Honeywell Fire

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