

WSNF8551A409MO

ASCO hazardous-location solenoid spool valve assembly

It provides electrically actuated pneumatic switching for a configured harsh-environment control circuit.

PRODUCT SNAPSHOT

BRAND

ASCO

FAMILY

ASCO Series 551 valve system

PART

WSNF8551A409MO

ORIGIN / HS

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PRODUCT OVERVIEW

It provides electrically actuated pneumatic switching for a configured harsh-environment control circuit.

1

Uses the 551 valve platform

2

Switches the configured pneumatic flow path

3

Interfaces with the installed solenoid operator

4

Supports controlled valve-state verification

SYSTEM COMPONENTS

Compatible pneumatic manifold or piping

Approved solenoid coil

Filtered instrument-air supply

Documented electrical connector and seal set

TECHNICAL NOTE

Confirm the complete WSNF8551A409MO construction and coil marking, isolate electrical and pneumatic energy, preserve port identity and flow direction, and leak-test every connection before service.

TECHNICAL DATA

PARAMETER	VALUE
Model code	WSNF8551A409MO
Series	551
Valve technology	Pilot-operated spool

PARAMETER	VALUE
Port size family	1/4 in NPT or BSP
Service media	Air or inert gas

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
KL2101X1-BA1-C2-A0SE6501T01	Related ASCO product	View KL2101X1-BA1-C2-A0SE6501T01 page
KL2101X1-BB1-SE6504	Related ASCO product	View KL2101X1-BB1-SE6504 page
KJ3241X1-BK1-C2-A0SE4006P2	Related ASCO product	View KJ3241X1-BK1-C2-A0SE4006P2 page
KJ2005X1-BK1-C2-A0SE3007	Related ASCO product	View KJ2005X1-BK1-C2-A0SE3007 page
8752-CA-NS-02	Related ASCO product	View 8752-CA-NS-02 page
KJ3241X1-BA1-12P2506X062	Related ASCO product	View KJ3241X1-BA1-12P2506X062 page
38B6041X082	Related ASCO product	View 38B6041X082 page
KJ3222X1-BA1-12P2532X092...	Related ASCO product	View KJ3222X1-BA1-12P2532X092... page

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Process-valve piloting

Uses the 551 valve platform

Pneumatic actuator sequencing

Switches the configured pneumatic flow path

Utility-air automation

Interfaces with the installed solenoid operator

Harsh-environment valve service

Supports controlled valve-state verification

PRODUCT PRECAUTIONS

- 1 Verify the complete WSNF8551A409MO marking and the assigned ASCO Series 551 valve system position before work.
- 2 Place the connected machine or process in the approved maintenance state before disturbing WSNF8551A409MO.
- 3 Isolate the applicable power and field energy, then confirm a safe state before disconnecting WSNF8551A409MO.
- 4 Record connector, conductor, slot and configuration identities before removal of WSNF8551A409MO.
- 5 Use ESD controls and protect keyed interfaces, exposed contacts and electronic assemblies during handling.
- 6 Confirm that the installed companion hardware and approved project match the WSNF8551A409MO arrangement.
- 7 Restore power in a controlled sequence and review device, rack and host diagnostics.
- 8 Prove the intended function and retain the final test result before returning WSNF8551A409MO to service.

ENGINEER FAQ

Q1 Does WSNF8551A409MO match Compatible pneumatic manifold or piping in a Process-valve piloting installation?

Verify the complete WSNF8551A409MO marking, the documented ASCO Series 551 valve system position and the installed Compatible pneumatic manifold or piping before fitting the assembly.

Q3 Which ASCO Series 551 valve system records should be captured before removing WSNF8551A409MO?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with WSNF8551A409MO before disconnection.

Q5 Which Approved solenoid coil condition should be checked when WSNF8551A409MO reports an abnormal state?

Check the Approved solenoid coil supply, seating and connection first, then compare channel diagnostics with the recorded WSNF8551A409MO baseline.

Q7 What maintenance evidence is required after WSNF8551A409MO is used for Utility-air automation?

Retain the nameplate record, corrective action, final diagnostics and a controlled utility-air automation functional-test result for WSNF8551A409MO.

Q2 How should WSNF8551A409MO be wired when it must uses the 551 valve platform?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for WSNF8551A409MO; then continuity-test the affected path.

Q4 What controlled test confirms that WSNF8551A409MO can switches the configured pneumatic flow path?

Apply the approved field or simulated stimulus, observe the ASCO Series 551 valve system indication and confirm the intended response without bypassing the normal interlocks.

Q6 Can WSNF8551A409MO be moved directly into Pneumatic actuator sequencing without validating Documented electrical connector and seal set?

No. Confirm the Documented electrical connector and seal set, revision, connection scheme and ASCO Series 551 valve system configuration before transferring WSNF8551A409MO to that duty.

Q8 How should WSNF8551A409MO be returned to service in Harsh-environment valve service?

Restore power under control, verify interfaces with the installed solenoid operator, exercise the intended signal path and release WSNF8551A409MO only after the ASCO Series 551 valve system remains in its approved operating state.

SOURCE ASCO Series 551 official product information | Series 551

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