

INDUSTRIAL AUTOMATION PRODUCT

WSNF8551A409MO

ASCO hazardous-location solenoid spool valve assembly

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

IDENTITY	VERIFIED VALUE
Manufacturer	ASCO
System family	ASCO Series 551 valve system
Part number	WSNF8551A409MO
Country	USA
HS code	8537101190

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313
EMAIL sales13@apterpower.com
WEBSITE www.apterpower.com



2

Technical Specifications

Technical values below are limited to the named ASCO product record.

PARAMETER	TECHNICAL VALUE
Model code	WSNF8551A409MO
Series	551
Valve technology	Pilot-operated spool
Port size family	1/4 in NPT or BSP
Service media	Air or inert gas

ENGINEERING DATA SUMMARY

DATA GROUP	VERIFIED ASSIGNMENT
Installed host / carrier	Compatible pneumatic manifold or piping
Companion hardware	Approved solenoid coil
Field connection	Filtered instrument-air supply
Primary system function	Uses the 551 valve platform
Controlled acceptance duty	Process-valve piloting

3

System Role and Architecture

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

FUNCTION 1

Uses the 551 valve platform

FUNCTION 2

Switches the configured pneumatic flow path

FUNCTION 3

Interfaces with the installed solenoid operator

FUNCTION 4

Supports controlled valve-state verification

Matched system components

- Compatible pneumatic manifold or piping
- Approved solenoid coil
- Filtered instrument-air supply
- Documented electrical connector and seal set

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	Compatible pneumatic manifold or piping
Companion hardware	Approved solenoid coil
Field connection	Filtered instrument-air supply
Primary system function	Uses the 551 valve platform
Controlled acceptance duty	Process-valve piloting

4

Applications and Engineering Context

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

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.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	WSNF8551A409MO / WSNF8551A409MO recorded
Physical interface	Compatible pneumatic manifold or piping
Companion check	Approved solenoid coil
Functional proof	Uses the 551 valve platform
Application test	Process-valve piloting

5

Engineering 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.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
KC3011X1-BA1-12P6749 X042	Related ASCO product	View KC3011X1-BA1-12P6749X042 page
KC3010X1-BA1-12P6762 X062	Related ASCO product	View KC3010X1-BA1-12P6762X062 page
1X01046H01L	Related ASCO product	View 1X01046H01L page
PR6426-000-131-CON04 1	Related ASCO product	View PR6426-000-131-CON041 page
PR6426-010-140	Related ASCO product	View PR6426-010-140 page
1X00781H01L	Related ASCO product	View 1X00781H01L page
38B6041X152	Related ASCO product	View 38B6041X152 page
38B5786X092	Related ASCO product	View 38B5786X092 page

MANUFACTURER SOURCE RECORD

ASCO Series 551 official product information

Series 551

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com

