

Type 6524**DESCRIPTION****Product Covered:**

General Purpose Valve - Type 6524

General:

The type 6524 are 3-way valves. These valves are intended to control the flow of air.

Type Nomenclature:

Type	<u>6524</u>	<u>0</u>	<u>0</u>	<u>C</u>	<u>02,5</u>	<u>FM08</u>	<u>0000</u>	<u>B</u>	<u>0</u>	<u>24</u>	<u>DC</u>	<u>01</u>	<u>PD02</u>
	A	B	C	D	E	F	G	H	I	J	K	L	M

A: Valve Type Series:
6524

B: 1 digit for internal use (application)

C: 1 digit for internal use (material)

D: Circuit Function:
C - 3/2-way valve, normally closed
D - 3/2-way valve, normally open

E: Orifice Size:
(mm): 4.0 (inch): 5/32

F: Port Connection pressure supply / exhaust:
FM14 - manifold version
FM15 - manifold version

G: Port Connection pressure outlet:
0000 - without connection

H: Possibilities of operation:

	Operation	Reset
B :	solenoid	air and mech. spring

I: Coil Size:
0 - 10 mm rocker coil

J: Supply Voltage:
See "Electrical Ratings"

K: Frequency:
DC indicates DC

L: Power Consumption:
01 - 1.0 W

M: Certification:
PD02 - UL Recognized

**Voltage 12V or 24V
UL / UR valid with
class 2 power supply only**

Type 6524Electrical Ratings:

DC Voltage:	12 V 24 V
Power Consumption:	1.0 W
Coil Insulation Class:	B (Polyamide material, designated PA)

Temperature Ratings:

Fluid Temperature:	-10 °C (+14 °F) to 50 °C (122 °F)
Ambient Temperature	-10 °C (+14 °F) to 55 °C (130 °F)

Pressure Ratings:

The maximum pressure is 8 bar (115 PSI).

Construction Details:

1. Tolerance for decimal dimensions is plus or minus 0.13 mm (0.005 in.) unless otherwise indicated

2. Electrical Spacings	-	0-300 V
Between uninsulated live-metal parts of opposite polarity and uninsulated live-metal parts and grounded metal other than the enclosure:		
	through-air	1/16 in.
	over-surface	1/16 in

3. The following polymeric materials are used in the fabrication of these valves and cable plug assemblies

Seals and O-rings	-	EPDM (Ethylene Propylene) NBR (Buna N) or FPM (Viton)
Body Components	-	Recognized Component - Plastics (QMFZ2)
Electrical Wiring Compartment, Components	-	IXEF Polyamide, Type 2502
Electrical Wiring Compartment, Terminal Block	-	Recognized Component - Plastics (QMFZ2) General Electric Noryl SE-1-GFN2
Electrical Wiring Compartment, Gasket	-	Non-absorbent synthetic rubber
Gland (between plug and coil)	-	Synthetic rubber

Marking:

Pressure Sensitive Marking and Labeling System Brady B-428.

Includes Manufacturer's name, type designation, max. pressure rating and electrical rating (volts, frequency, watts). See File MH10753(SP), Vol. 1, Sec. 3 for details and the appropriate follow-up program.

Other essential information is included in the Operating Instructions provided with each valve. See Ill. 1 or 2 for details