3/2-way solenoid valve, NC, G 1/4, PN 0-5, NBR, 110V AC - Riegler 125804

Item no. RGL-125804 | **Manufacturer Riegler** | **EAN 4047322726931**

3/2-way solenoid valve, NC, G 1/4, PN 0-5, NBR, 110V AC

TECHNICAL DATA

Betriebsdruck max [bar]	**5.000000**
Country of Manufacture	**Germany**
Function	**normally closed (NC)**
Housing material	**Brass**
Material	**Brass**
Nominal size DN [mm]	**4**
Norm	**DIN EN ISO 228-1, EN 175301-803**
Operating voltage	**110 V AC**
Pneumatic connection	**G1/4**
Protection rating	**IP65**
Seal material	**NBR**
Thread	**G 1/4**
Weight	**0.46 kg**
Zolltarifnummer	**84818079**

STANDARDS & COMPLIANCE

DIN EN 175301-803 ISO 228-1 ISO 7-1

DESCRIPTION

Media-separated 3/2-way solenoid valve, NC, brass, G 1/4, PN 0-5, direct. opera., 110V AC, med.temp. 0 to 80, amb.temp. 0 to 55 Media-separated solenoid valves are an important component in the control of fluids in systems. With these direct or pilot operated values only the fluid housing and the separating diaphragm come into contact with the medium. Thus, these valves can withstand many different media (see resistance chart). In addition, the brass housing meets all the conventional potable water requirements. The direct controlled valve in the 3/2-way design can be used either as a mixing valve or for any desired flow direction. The pilot operated valve is normally closed in the basic position. By simply turning the 3/2-way pilot valve, the basic position can be changed to normally open.

TECHNICAL DATA

Min. operating pressure	0 bar
Max. operating pressure	5 bar
Protection IP	IP 65 (with connector socket fitted)

Electrical connection	pin terminal acc. to DIN EN 175301-803
Housing	brass
Valve seat	brass
Internal parts	brass
Sealant	NBR
Min. ambient temperature	0 °C
Max. ambient temperature	55 °C
Min. medium temperature	0 °C
Max. medium temperature	80 °C
Thread	G 1/4
Function	normally closed (NC)
DN	4 mm
A	71.0 mm
B	46.0 mm
Voltage	110 V AC
C	18.0 mm

STANDARDS AND ORIGIN

- Customs tariff number: 84818079
- Country of origin: DE

ABOUT SOLENOID VALVES

Solenoid valves switch a media flow electrically, with no manual intervention at the line. The range covers nominal sizes from DN 1 to DN 66 and operating pressures up to 50 bar, with ports from G 1/8 to G 2. Some versions work from -1 bar upwards, which makes them suitable for vacuum duty.

WHAT MATTERS WHEN CHOOSING

- Function: normally closed (NC), normally open (NO) or any flow direction (BEL). What matters is the state the plant should assume when power is lost.
- Voltage: 12 V DC, 24 V DC, 24 V AC, 110 V AC and 230 V AC, plus 24 V AC/DC and 230 V AC/DC versions. Follow whatever the existing control system supplies.
- Sealing material NBR, FKM, FPM, EPDM, PTFE or FFKM: match the elastomer to the medium and to the media temperature, which runs between -30 and 160 °C depending on version.
- Body material: brass, aluminium, polyamide, glass-fibre reinforced polyamide, polypropylene or stainless steel 1.4301, 1.4401 and 1.4581. Stainless steel is the choice for corrosive media and demanding wash-down regimes.
- Nominal size DN 1 to 66 mm and operating pressure: upper limits run from 1 to 50 bar, and nominal size sets the achievable flow.

TYPICAL APPLICATIONS

- Shutting off and releasing compressed air in machines and plant
- Cleaning fabric filters in dust collection systems using pulse diaphragm valves
- Switching duties in cooling and heating water circuits
- Dosing and filling stations handling thin, neutral media
- Vacuum applications with operating pressures from -1 bar

Threads are made to DIN EN ISO 228-1 or ISO 7-1. Protection class IP 65 or IP 67 is reached with the connector socket correctly fitted.