Series KN directly operated solenoid valves

3/2-way - Normally Closed (NC)

Thanks to its low energy consumption and to its compact design, the miniaturized KN solenoid valve can be used in industrial and scientific applications.

Series KN directly operated solenoid valves are available as 3/2-way NC version.

GENERAL DATA

TECHNICAL FEATURES

Function: 3/2 NC
Operation: direct acting poppet type
Pneumatic connections: on subbase with ISO 15218 interface by means of screws
Nominal diameter: 0.65 mm
Flow coefficient kv (l/min): 10 Nl/min (air @ 6 bar ΔP 1 bar)
Operating pressure: 0 ÷ 7 bar
Operating temperature: 0°C ÷ 50°C
Media: filtered compressed air, unlubricated, according to ISO 8573-1 class 3.4.3, inert gas
Response time: ON <10 msec - OFF <10 msec
Manual override: monostable button in any position

MATERIALS IN CONTACT WITH THE MEDIUM

Body: PBT technopolymer
Seals: HNBR, NBR (FKM on demand)
Internal parts: stainless steel

ELECTRICAL FEATURES

Voltage: 24 V DC - 12 V DC - other voltages on demand
Voltage tolerance: ±10%
Power consumption: 1.3 W (inrush), 0.25 W (holding)
Electrical connection: ED 100% connector
Protection class: IP50

Special versions available on demand
### CODING EXAMPLE

<table>
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<th>KN</th>
<th>0</th>
<th>00</th>
<th>-</th>
<th>3</th>
<th>0</th>
<th>3</th>
<th>-</th>
<th>K</th>
<th>1</th>
<th>3</th>
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</table>

**KN SERIES**

- **BODY DESIGN:**
  - 0 = single valve

- **NUMBER OF POSITIONS:**
  - 00 = interface

- **NUMBER OF WAYS - FUNCTIONS:**
  - 3 = 3/2-way NC

- **PORTS:**
  - 0 = single valve

- **NOMINAL DIAMETER:**
  - 3 = ø 0.65

- **MATERIALS:**
  - K = PBT body, HNBR poppet seal, NBR other seals
  - F = PBT body, FKM poppet seal, NBR other seals (FKM upon request)

- **ELECTRICAL CONNECTION:**
  - 1 = 90° connection with protection and led
  - B = in-line connection with protection and led

- **SOLENOID VOLTAGE:**
  - 2 = 12V DC
  - 3 = 24V DC - 1.3W (inrush), 0.25W (holding)
  - Other voltages are available upon request

- **FIXING:**
  - = with screws for plastics (standard)
  - M = with screws for metal

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3/2 way NC solenoid valve - right-angle electrical connection

- Supplied with:
  - 1x interface seal
  - 2x screws M1.6x16 UNI 10227 (fixing for plastics, standard)
  - or
  - 2x screws M1.6x16 UNI 7687 (fixing for metal, M option)

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[Diagram of the solenoid valve]
### 3/2 way NC solenoid valve - in-line electrical connection

Supplied with:
- 1x interface seal
- 2x screws M1.6x16 UNI 10227
  (fixing for plastics, standard)
- or
- 2x screws M1.6x16 UNI 7687
  (fixing for metal, M option)

### Solenoid valve Mod. KN000-303-KY3N - spare part for Series Y

Supplied with:
- 1x interface seal
- 2x screws M1.6x16 UNI 10227

### Connector Mod. 121-8..

This connector can’t be used with the solenoid valve Mod. KN000-303-KY3N.

<table>
<thead>
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<td>300</td>
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