

## 2/2 solenoid valve, NO, G 3/4, PN 0.5-12, FPM, pilot-op., 12V DC - Riegler 129596

Item no. RGL-129596

Manufacturer Riegler

EAN 4047322732666

2/2 solenoid valve, NO, G 3/4, PN 0.5-12, FPM, pilot-op., 12V DC

### TECHNICAL DATA

|                         |                                   |
|-------------------------|-----------------------------------|
| Betriebsdruck max [bar] | 12.000000                         |
| Country of Manufacture  | Germany                           |
| Function                | de-energised open (NO)            |
| Housing material        | Brass                             |
| Material                | Brass                             |
| Nominal size DN [mm]    | 20                                |
| Norm                    | DIN EN ISO 228-1, EN 175301-803-A |
| Operating voltage       | 12 V DC                           |
| Pneumatic connection    | G3/4                              |
| Protection rating       | IP65                              |
| Seal material           | FPM                               |
| Thread                  | G 3/4                             |
| Thread standard         | DIN EN ISO 228-1                  |
| Weight                  | 1.4 kg                            |
| Zolltarifnummer         | 84818079                          |



### STANDARDS & COMPLIANCE

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

### DESCRIPTION

2/2-way sol. valve, NO, brass, G 3/4, DN20, PN 0.5-12, FPM (FKM), pilot-opera., 12V DC, med.temp -15 to 100, ambi.temp -10 to 50 In many areas, such as plant engineering, process technology or filling technology, solenoid valves are an optimum solution for control and regulation of fluids. With this professional standard series, RIEGLER offers fluid valves designed in Germany and produced in Europe. A consistently managed modular system guarantees a broad spectrum of possible valve forms in regards to sealing materials or valve bodies. If you cannot find your required specification in our standard products, please contact us.

### TECHNICAL DATA

|                         |                                                              |
|-------------------------|--------------------------------------------------------------|
| Min. operating pressure | 0.5 bar                                                      |
| Max. operating pressure | 12 bar                                                       |
| Protection IP           | IP 65 (with connector socket fitted)                         |
| Electrical connection   | connector socket, industrial standard type A-EN 175301-803-A |

#### A1-ESD equipment

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|                                 |                           |
|---------------------------------|---------------------------|
| <b>Housing</b>                  | brass                     |
| <b>Valve seat</b>               | brass and stainless steel |
| <b>Internal parts</b>           | brass and stainless steel |
| <b>Sealant</b>                  | FPM                       |
| <b>Min. ambient temperature</b> | -10 °C                    |
| <b>Max. ambient temperature</b> | 50 °C                     |
| <b>Min. medium temperature</b>  | -15 °C                    |
| <b>Max. medium temperature</b>  | 100 °C                    |
| <b>Thread</b>                   | G 3/4                     |
| <b>Function</b>                 | normally open (NO)        |
| <b>DN</b>                       | 20 mm                     |
| <b>A</b>                        | 95.0 mm                   |
| <b>B</b>                        | 124.0 mm                  |
| <b>Voltage</b>                  | 12 V DC                   |
| <b>C</b>                        | 70.0 mm                   |

## STANDARDS AND ORIGIN

- Standard thread: DIN EN ISO 228-1
- 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.

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## **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.