

Straight push-in connector »Blue Series«, for hose exterior Ø 12 - Riegler 109797

Item no. RGL-109797

Manufacturer Riegler

EAN 4047322026154

Straight push-in connector »Blue Series«, for hose exterior Ø 12

TECHNICAL DATA

Betriebsdruck max [bar]	10.000000
Country of Manufacture	China
For hose OD [mm]	12
Material	Plastic or nickel-plated brass
Medium	Compressed air
Seal material	NBR
Series	Blaue Serie
Weight	0.015 kg
Working pressure max. [bar]	10
Zolltarifnummer	39174000



DESCRIPTION

Straight push-in connector »Blue Series«, for hose exterior Ø 12 mm, pmax short term 15bar, Plastic / nickel-plated brass Push-in fittings series manufactured in plastic and nickel-plated brass. All parts are suitable for use with hoses, tubes or pipes made of plastic.

TECHNICAL DATA

Series	Blue series
Max. working pressure short term	15 bar
Min. working pressure	-0.95 bar
Max. working pressure	10 bar
Max. temperature range	80 °C
Min. temperature range	-20 °C
Material	plastic and nickel-plated brass
Sealant	NBR
Medium	compressed air
Recommended hose	PU, PA (nylon)
Applications	compressed air systems, automotive, packaging industry, vacuum
Sleeve	plastic

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for tube O.D.

12 mm

L1

48.6 mm

STANDARDS AND ORIGIN

- Customs tariff number: 39174000
- Country of origin: CN

ABOUT UNIONS

Straight push-in connectors take the tube without tools, the gripping ring holds it and the release ring frees it again. That cuts assembly time on the tubing considerably and lets lines be swapped quickly during service. The group covers tube outside diameters from 3 to 16 mm, with working pressure up to 20 bar and down to -0.99 bar under vacuum.

WHAT MATTERS WHEN CHOOSING

- Tube O.D.: the values 3 to 16 mm have to suit the tube in use. Reducing versions join two diameters, for example 4 to 6 mm or 10 to 12 mm.
- Thread: metric from M8x0.75 male to M24x1.0 male. The size follows the port in the valve or cylinder, not the tube.
- Series: Blaue Serie and Blaue Serie mini, click-clock, metallica, inox line and NonPlusUltra. The series differ in material and handling, and it pays to stay with one series within a machine.
- Material and seal: nickel-plated brass, stainless steel 1.4404 or a combination of plastic and nickel-plated brass, sealed with NBR or FKM. For areas with food contact there is FKM in an FDA compliant version.
- Medium and temperature: approved media are compressed air, neutral gases and liquids, oil and grease, plus corrosive media as far as the material allows. Operating temperature is -20 °C to 80 °C, and up to 150 °C on part of the range.

TYPICAL APPLICATIONS

- Tubing pneumatic cylinders, valve terminals and air preparation units in assembly automation
- Compressed air installation on handling equipment where lines are re-routed frequently
- Filling and packaging lines using the FDA compliant FKM seal
- Wash-down areas served by the stainless steel 1.4404 version
- Vacuum applications on suction grippers, since the range is rated down to -0.99 bar

The range comprises 117 items in nickel-plated brass, stainless steel 1.4404 and the plastic with nickel-plated brass combination, sealed with NBR or FKM. Production is in Germany, Italy, India and China.

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