

Pushbutton safety coupling I.D. 8, ISO 6150 C, G 1/4 ET - Riegler 141955

Item no. RGL-141955

Manufacturer Riegler

EAN 4047322566964

Pushbutton safety coupling I.D. 8, ISO 6150 C, G 1/4 ET

TECHNICAL DATA

Betriebsdruck max [bar]	16.000000
Country of Manufacture	Turkey
Housing material	Stainless steel
Length [mm]	72,0
Material	Stainless steel
Pneumatic connection	G1/4 AG
Seal material	FKM
Weight	0.158 kg
Zolltarifnummer	84812090



STANDARDS & COMPLIANCE

ISO 6150 ISO 4414

DESCRIPTION

Pushbutton safety coupling I.D. 8, ISO 6150 C, Stainless steel, G 1/4 ET, Operating pressure max. 16 bar, Temp. -20 °C to 200 °C High quality, robust and long-lifetime quick connect coupling in a safety design that can be operated with one hand. When pushed for the first time the coupling is vented, the plug remains securely in the coupling. After a second push the plug is released. This prevents a potential whiplash effect and the risk of operating personnel is practically excluded. The safety version meets ISO standard DIN EN ISO 4414. These safety couplings are not suitable for direct attachment to pulsating tools. We recommend using our vibration dampers, according to ISO 6150 § 7.1. Areas of application: Pneumatic system, machine and plant engineering, measurement, monitoring and control systems, manufacturing industry, workshops, automotive, mining, offshore.

TECHNICAL DATA

DN	8
Connection	G 1/4 ET
a/f	25 mm
Max. operating pressure	16 bar
Flow rate measurement	at 6 bar and $\Delta p = 1$ bar

A1-ESD equipment

Keldersstr. 15
42697 Solingen, Deutschland
VAT ID: DE269659389

Phone: +49 212 38340680
shop@esd-equipment.com
fluidics-equipment.com

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Plug profile	acc. ISO 6150 C
Housing	stainless steel
Sealant	FKM
Threaded piece	galvanised steel
Valve	Brass
Pushbutton	stainless steel
Min. temperature range	-20 °C
Max. temperature range	200 °C
Spring	stainless steel
Length	72.0 mm
Flow rate (air)	2080 l/min

STANDARDS AND ORIGIN

- Customs tariff number: 84812090
- Country of origin: TR

ABOUT SAFETY COUPLINGS

A safety coupling vents the hose before it releases the plug, so the line cannot whip around on disconnection. Coupling is done one-handed by pushing the plug in, uncoupling takes two steps via the locking sleeve. Operating pressure runs from 12 to 35 bar depending on the range.

WHAT MATTERS WHEN CHOOSING

- Plug profile and nominal size have to match the plugs already in use. Both are listed in the technical data of each article and act as the first filter before anything else.
- The connection is available as female and male thread in G 1/4 to G 3/4 and in NPT 1/4 to NPT 1/2. Choose NPT only where the installation is already built on that thread.
- The housing decides weight and durability. Nickel-plated brass and QPQ-treated steel are the workshop standard, anodised aluminium and glass fibre reinforced PA6 GF 30 save weight, stainless steel 1.4404 withstands wet and chemical areas.
- Operating pressure of 12 to 35 bar varies by range. Some versions work down to -0.95 bar and therefore cover vacuum as well, and flow rate is stated as 1350 l/min (air).
- For the seal, NBR covers normal service and FKM higher temperatures. Medium temperature runs from -20 °C to 60 °C or to 150 °C depending on the version.

TYPICAL APPLICATIONS

- Air take-off points on workshop manifolds where hoses are swapped several times a day
- Connecting air tools such as impact wrenches and grinders at assembly stations
- Hose reels and wall outlets where a recoiling hose would put people at risk
- Test and filling stations handling gases that must be vented under control
- Wet or outdoor installations using couplings in stainless steel 1.4404

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The released media are compressed air and gases, sealing is done with NBR or FKM. The range includes the Bi-Tec, DKSK and SEK series, 252 articles in total with overall lengths from 43 to 235 mm.