

## AVENTICS Series QR1 Fittings

AVENTICS Series QR1 push-in connectors with easy, secure mounting are available in many versions: for tubing diameters from 3 to 16 mm, as well as in plastic, metal, and stainless steel variants. QR1 Series offers a cylindric thread that allows repeated connection and release without problems (Quick Release) and captive O-ring guarantees an optimal sealing. Our QR program offers the right solution for every application and industry.

- Qn = 60 l/min .. 875 l/min



## Technical data

|                                  |                              |
|----------------------------------|------------------------------|
| Industry                         | Industrial                   |
| Fitting type                     | Plug connector, 3x, reducing |
| Compressed air connection type   | Push-in fitting              |
| Port G                           | Ø 10                         |
| Compressed air connection type 2 | Push-in fitting              |
| Port D                           | Ø 8                          |
| Type                             | QR1-S-RMT                    |
| Min. working pressure            | -1 bar                       |
| Max. working pressure            | 16 bar                       |
| Min. ambient temperature         | -20 °C                       |
| Max. ambient temperature         | 80 °C                        |
| Min. medium temperature          | -20 °C                       |
| Max. medium temperature          | 80 °C                        |
| Delivery quantity                | 10 piece                     |
| Weight                           | 0.0312 kg                    |

## Material

|                  |                                |
|------------------|--------------------------------|
| Housing material | Polyamide                      |
| Seal material    | Acrylonitrile butadiene rubber |

## R412005350

2026-07-24

Technical drawing of a mechanical part, showing a side view and a top view. The side view is a cross-section of a cylindrical component with a central bore and two side bores. The top view shows the circular end face with three holes. Dimensions are given in millimeters.

**Side View Dimensions:**

- Overall length: 76.4
- Distance from left end to first side bore center: 19.4
- Distance between side bore centers: 47.4
- Distance from right end to last side bore center: 19.4
- Overall diameter:  $\varnothing 10$
- Internal bore diameter:  $\varnothing 4.2$
- Side bore diameter:  $\varnothing 8$
- Distance from left end to internal bore center: 17.8
- Distance from right end to internal bore center: 10
- Distance between internal bore centers: 14.2

**Top View Dimensions:**

- Overall diameter: 18.5
- Distance between side holes: 16
- Distance between side hole and center hole: 15
- Distance between center hole and side hole: 13