

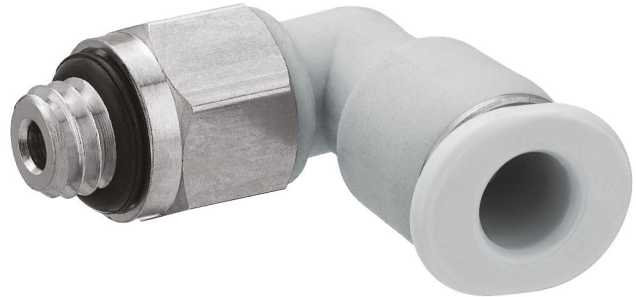
# Series QR1-S-MVT Mini

R412005289

2026-06-29

## 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.



## Technical data

|                                  |                 |
|----------------------------------|-----------------|
| Industry                         | Industrial      |
| Fitting type                     | Elbow fitting   |
| Compressed air connection type   | External thread |
| Port G                           | M6              |
| Compressed air connection type 2 | Push-in fitting |
| Port D                           | Ø 3             |
| Type                             | QR1-S-MVT       |
| Min. working pressure            | -0.95 bar       |
| Max. working pressure            | 10 bar          |
| Min. ambient temperature         | 0 °C            |
| Max. ambient temperature         | 60 °C           |
| Delivery quantity                | 25 piece        |
| Weight                           | 0.003 kg        |

## Material

|                            |                                |
|----------------------------|--------------------------------|
| Surface                    | nickel-plated                  |
| Housing material           | Polybutyleneterephthalate      |
| Seal material              | Acrylonitrile butadiene rubber |
| Material tooth lock washer | Stainless Steel                |

# Series QR1-S-MVT Mini

R412005289

2026-06-29

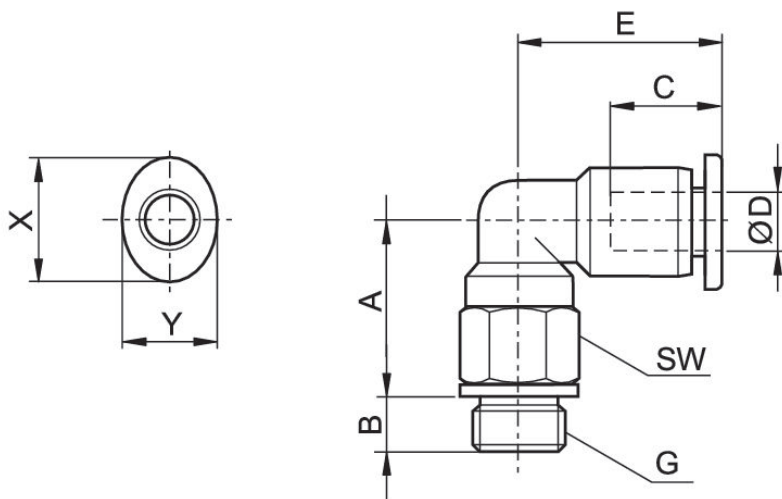
|                              |                  |
|------------------------------|------------------|
| Material release ring        | Polyoxymethylene |
| Material release ring holder | Die cast zinc    |
|                              | Brass            |
| Surface release ring holder  | nickel-plated    |
| Material thread              | Brass            |
| Surface thread               | nickel-plated    |
| Part No.                     | R412005289       |

## Technical information

The series QR1 (plastic) and QR2 (metal) can not be combined.

Thread seal with captive O-ring

## Dimensions



# Series QR1-S-MVT Mini

R412005289

2026-06-29

| Part No.          | Port D | Port G | A    | B   | C    | E    | SW | X  | Y  |
|-------------------|--------|--------|------|-----|------|------|----|----|----|
| R412005284        | Ø 3    | M3     | 10.4 | 3   | 9.5  | 11.2 | 6  | 7  | 6  |
| R412005285        | Ø 4    | M3     | 12   | 3   | 11.5 | 15.6 | 8  | 10 | 8  |
| R412005286        | Ø 3    | M5     | 11.3 | 3.5 | 9.5  | 11.2 | 8  | 7  | 6  |
| R412005287        | Ø 4    | M5     | 11.6 | 3.5 | 11.5 | 15.6 | 8  | 10 | 8  |
| R412005288        | Ø 6    | M5     | 12.9 | 3.5 | 12.5 | 16.9 | 8  | 12 | 10 |
| <b>R412005289</b> | Ø 3    | M6     | 11.9 | 4.5 | 9.5  | 11.2 | 8  | 7  | 6  |
| R412005628        | Ø 4    | M6     | 11.6 | 4.5 | 12.5 | 15.6 | 8  | 12 | 10 |
| R412005627        | Ø 6    | M6     | 12.9 | 4.5 | 11.5 | 16.9 | 10 | 10 | 8  |
| R412005377        | Ø 4    | M7     | 13.7 | 5.5 | 11.5 | 15.6 | 8  | 10 | 8  |
| R412005378        | Ø 6    | M7     | 15   | 5.5 | 12.5 | 16.9 | 8  | 12 | 10 |
| R412005379        | Ø 4    | G 1/8  | 12.6 | 5   | 11.5 | 15.6 | 12 | 10 | 8  |
| R412005380        | Ø 6    | G 1/8  | 13   | 5   | 11.7 | 16.5 | 10 | 12 | 10 |