

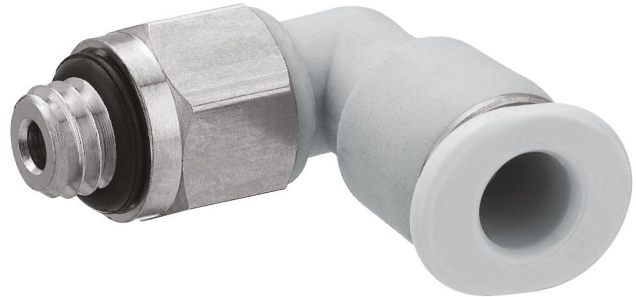
Series QR1-S-MVT Mini

R412005628

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 4
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	0.0042 kg

Material

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

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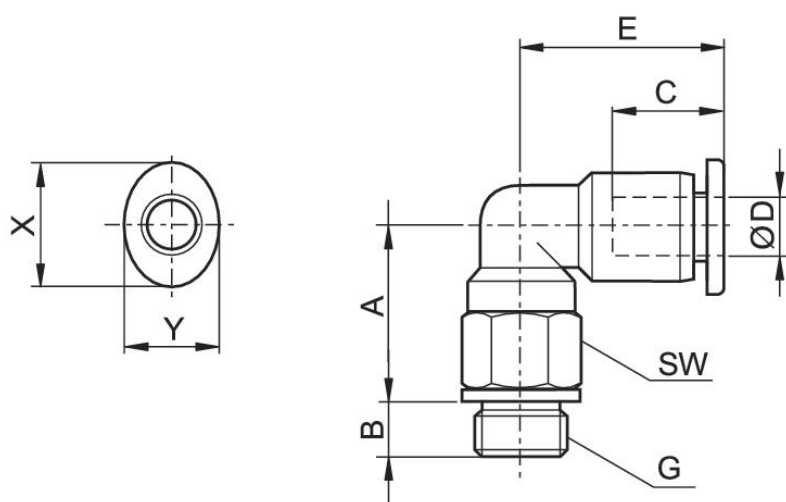
Material release ring	Polyoxymethylene
Material release ring holder	Die cast zinc
	Brass
Surface release ring holder	nickel-plated
Material thread	Brass
Surface thread	nickel-plated
Part No.	R412005628

Technical information

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

Thread seal with captive O-ring

Dimensions



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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
R412005289	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