

Quick connect coupling Cube Cupla SPC-04PH, POM - Nitto Kohki 599864635

Item no. NKH-599864635

Manufacturer Nitto Kohki

The plug is the male half of the Cube Cupla and is pushed into the socket until it clicks. Versions cover 4 mm and 6 mm ID tube, an R 1/8 thread, panel mounting up to 5 mm panel thickness and an L shape for cramped installations. At 1.5 g to 6.2 g it adds almost nothing to the line. Model SPC-04PH, POM, Seal material NBR.

TECHNICAL DATA

Weight	0.05 kg
Werkstoff	POM



DESCRIPTION

Air and water lines inside tightly packed equipment need a coupling that connects without tools and without a turning movement. Cube Cupla is moulded from polyacetal (POM), works up to 1.0 MPa, weighs from 1.5 g and locks by pushing the plug straight into the socket.

- Working pressure of 1.0 MPa (10 bar, 145 PSI) on air and water, plus vacuum service down to 53.0 kPa
- Polyacetal (POM) body instead of metal keeps the mass between 1.5 g for the SPC-10PM-VL plug and 7.0 g for the SPC-06SH socket
- Five body colours (blue, yellow, pink, green, ivory) identify each line and stay visible after connection, which prevents cross piping
- Push to connect with an audible click, release through two buttons on the socket, both one handed and without tools
- Choice of valve arrangement: two-way shut-off, one-way shut-off or straight through, with flow in both directions once plug and socket are joined
- Working temperature range of -20 °C to +60 °C with the standard NBR seal, ports for 4 mm and 6 mm ID tube or R 1/8 thread

TECHNICAL DATA

Model

SPC-04PH

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Coupling part	plug
Body material	POM
Seal material	NBR
Colour	Blue
Article number	599864635

APPLICATIONS

- Air piping inside office automation equipment
- Measuring and analysing instruments where lines are disconnected frequently
- Ink and cooling water lines in commercial inkjet printers
- Air lines in muscle compression machines used for training
- Piping in confined spaces, where the L type plugs SPC-04PHL and SPC-06PHL route the tube sideways

COMPATIBILITY

Cube Cupla plugs and sockets of the same type connect to each other whatever end configuration they carry. A socket with a built-in valve must not be paired with a valveless -VL plug, because the socket valve stays closed and no fluid passes.

STANDARDS AND COMPLIANCE

The POM body and the NBR O-ring have passed the material and elution tests of the Japanese Food Sanitation Act (Notice No. 370 of 1959), the sealing area is lubricated with silicone grease registered to NSF H1 and NSF 61, and the products comply with the RoHS Directive.