# **CPC Everis**™ PLQ2 & PLQ4 **Series Connectors**

Everis™ PLQ2 and PLQ4 Series liquid cooling connectors are designed to offer ultra-reliable and dripless connections and disconnections. These connectors are made of PPSU, a lightweight, high-performance thermoplastic not susceptible to galvanic corrosion. Additionally, they are rated UL94 V0 flame retardant, making them safe to use. With an ergonomic thumb latch, Everis™ PLQ2 and PLQ4 fittings are easy to use and specifically designed for liquid cooling electronics applications. They offer a high-flow capacity to optimise thermal management system performance. Everis™ PLQ2 and PLQ4 quick disconnects are equipped with CPC-developed valve technology designed for longterm use, guaranteeing no spill upon disconnect.

# **Features**

- Made of high-performance PPSU material
- Non-spill valve designHigh flow-to-size ratio with low-pressure drop
- · Ergonomic body and latch design
- Audible click upon connection
- Barbed and threaded termination options
- Robust product testing (product tested to 10,000 cycles), dimensional

# **Benefits**

- Lightweight, durable and chemically compatible with widely used liquid cooling fluids and UL94 V0 flame retardant
- No drips during connection or disconnection
- Increased cooling efficiency in small spaces
- Simple, intuitive one-handed operation
- Provides connection assurance
- Meets preferences for mounting or tubing connections
- High durability and reliability in long-use applications
- PLQ2 series interchange with LQ2, PLQ4 series interchange with LQ4

Don't hesitate to get in touch with your distributor for further details.

WARNING: Pressure, temperature, chemicals, and operating environment can impact coupling performance. Customers must test CPC's products in their application.



### PRESSURE

Vacuum to 8.3 bar (120 psi)

#### **OPERATING TEMPERATURE**

PLQ2: -17°C to +115°C (0°F to 240°F) PLQ4: -17°C to +85°C (0°F to 185°F)

#### MATERIALS

Main Components: Polyphenylsulfone PPSU Valves & Thumb latch: PPSU Valve Springs (wetted): Stainless steel External spring: Stainless steel

Seals: EPDM Seal Spacer: PTFE Compliance: RoHS, REACH

# COLOUR

Matt black with cool blue or warm red

# TUBING SIZES

PLQ2: 1/4" ID (6.4 mm ID)

PLQ4: 1/4" to 3/8" ID (6.4 mm to 9.5 mm ID)

# **LUBRICANTS**

Krytox® PFPE

# **SPILLAGE**

PLQ2: <0.015 cc per disconnect at 0 bar

<0.063 cc per disconnect rated at 13.8 bar PLQ4: <0.025 cc per disconnect at 0 bar < 0.055 cc per disconnect at 8.3 bar

# FLOW COEFFICIENT

PLQ2: Cv ~ 0.37 (0.3 Kv) PLQ4: Cv ~ 1.37 (1.1 Kv)

