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Dependable cooling performance in electrical engineering

High coolant flow rate guaranteed by screw-in connectors from Eisele

Coolant fittings in power electronics or electrical engineering applications must be absolutely leakproof for maximum safety. LIQUIDLIN coolant fittings from Eisele guarantee full reliability and availability of applications.

Leaks in coolant installations in electrical applications often cause short circuits and severe damage to systems. That is why coolant applications in semiconductor production, battery cooling and transformer cooling must be absolutely leakproof. For this purpose Eisele offers screw-in connectors of the LIQUIDLIN 5500 series made of seawater resistant aluminum. They fulfil the special requirements for tube holding power and can be used together with aluminum heat sinks. The patented screw-in technology ensures that tubes remain connected with no leaks even in the event of frequent vibrations or movements of the tube. To provide solutions for different application scenarios, Eisele offers the same series in both stainless steel and dezincification -resistant brass.



Improved flow rate even at extreme temperatures

For maximum cooling performance in power electronics applications Eisele offers its time-proven solid metal plug connectors with pivoting 90° or 45° elbows as the middle element. The elbow threaded fittings achieve more than 50 percent better flow rates than conventional elbow fittings, since there is no turbulence and no obstruction of the flow to prevent heat dissipation. The coolant fittings are ideal for heavy-duty cooling applications such as welding processes, high-frequency induction heating or power electronics. The improved flow rate of the elbows allows use of smaller diameters to achieve the same cooling effect as with conventional elbow connectors. Due to the large range of high-quality sealing materials, suitably designed Eisele fittings can also be used at temperatures from -50 °C to +200 °C.

Press Release



About Eisele

Eisele Pneumatics GmbH & Co. KG is a multinational family owned company with headquarters in Waiblingen, Germany. With 150 employees, Eisele develops, produces and distributes premium quality solid metal connectors and has become established over the past decades as a leading supplier of innovative connection solutions. The Eisele portfolio – manufactured virtually 100% in Germany – comprises all important standard connection components such as push-in fittings, quick-release couplings and tube fittings, as well as numerous innovative products with unique selling properties that set standards, such as an extensive line of multiple connectors. Worldwide distributors and the subsidiary Eisele Connectors in Michigan, USA, ensure the global availability of Eisele products.

Deep link: www.eisele.eu/produkte/liquidline

Download area: www.koehler-partner.de/project/eisele-presseservice

Press office: Köhler + Partner GmbH

Brauerstrasse 42 • D-21244 Buchholz i.d.Nordheide, Germany

Phone: +49 4181 92892-0 • Fax: +49 4181 92892-55

Mail: info@koehler-partner.de • Web: www.koehler-partner.de