



DEUTSCH AUTOSPORT ALUMINUM HERMETIC FUEL TANK SERIES

LIGHT AND HIGH PERFORMANCE MATERIALS

Saves 60% Weight in Safety Critical, Fuel Cell Connections

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Light and High Performance Materials



TE Connectivity (TE)'s dedicated autosport team has developed a new technique to manufacture the safety critical hermetic fuel tank connectors in aluminum, offering a weight saving of 60 % on the TE's standard DEUTSCH stainless steel version.

This cutting edge manufacturing allows race teams to refine weight distribution which is critical for success to find that last 10th of a second in lap time.

LIGHT AND HIGH PERFORMANCE MATERIALS

- 60% weight saving on TE's standard DEUTSCH stainless steel equivalent
- Designed for fuel cell walls with selection of contacts arrangements to accomodate pumps and sensors
- Fuel immersible specification o-ring for enhanced fluid resistance
- Integral potting cup, rear accessory thread and external boot termination feature

BUILT TO HELP WITHSTAND HARSH ENVIRONMENTS

- Glass-seal help to withstand pressure differentials of 1000psi without loss of electrical performance or fluid leakage
- Designed for motorsport's heat and high vibration conditions and help provide safety in fuel critical areas

APPLICATIONS

- Fuel tank critical areas

ENVIRONMENTAL / MECHANICAL

- **Operating temperatures:** -55°C to +175°C
- **Durability:** 500 mating cycles

MATERIALS

- **Shell and Nut:** aluminum
- **Insert:** glass / elastomer
- **Seals:** fluorosilicone elastomer
- **Contacts:** copper beryllium

ELECTRICAL

- **Dielectric Withstanding Voltage:** 1500V
- **Contacts Current Rating (Max.):** 13Amps
- **Insulation Resistance** > 5000Mohms

TE Components . . . TE Technology . . . TE Know-how . . .

AMP | AGASTAT | CII | HARTMAN | KILOVAC | MICRODOT | NANONICS | POLAMCO | Raychem | Rochester | DEUTSCH
SEACON Phoenix | LL ROWE | Phoenix Optix | AFP | SEACON

Get your product to market faster with a smarter, better solution.

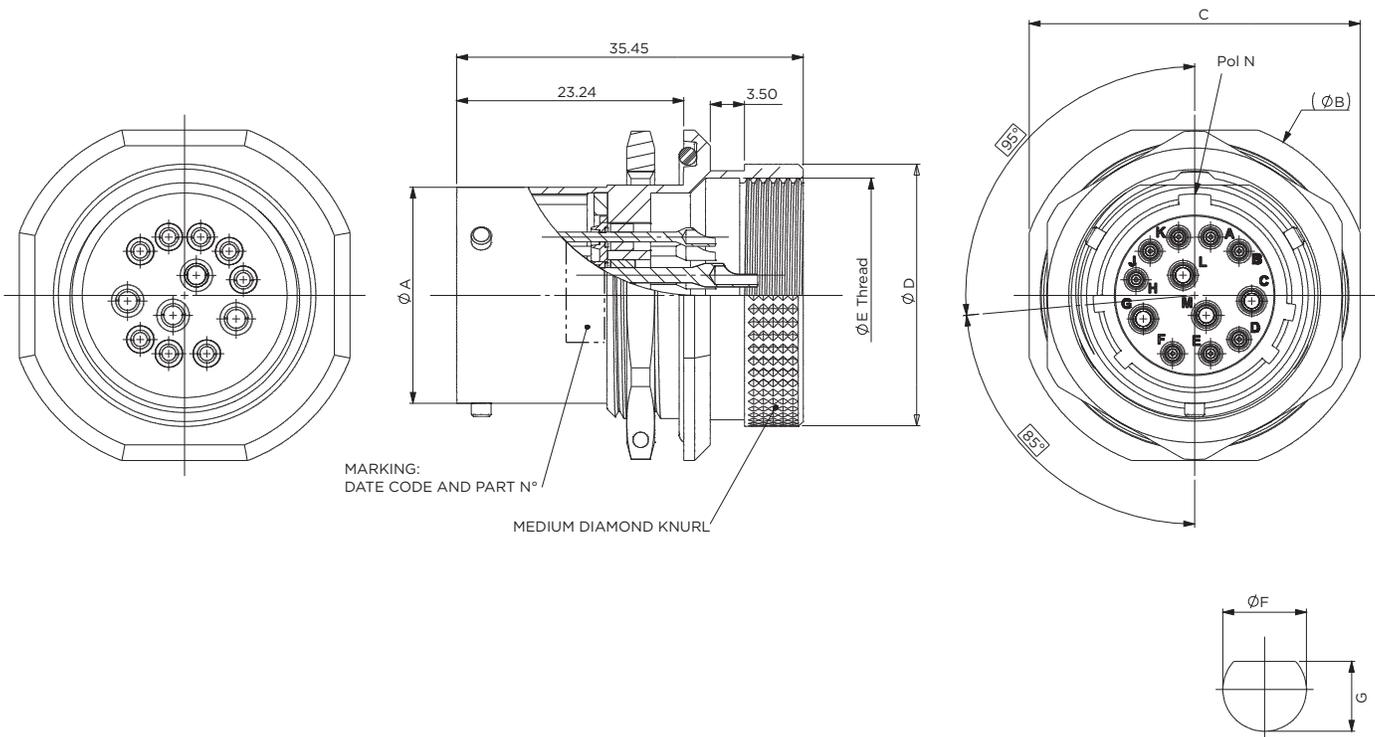
General Specifications

Contact Size	Max. Current (Amps)	Disability (Cycles of Engagements and Disengagements)	Sealing	Pressure	Electrical
20	7.5	500	1 X 10 ⁻⁸ cc/sec @15psi	1000psi typ.	IR 5000Mohms @ 500 volt DC
16	13	500	1 X 10 ⁻⁸ cc/sec @15psi	1000psi typ.	IR 5000Mohms @ 500 volt DC

Plug Connector

All dimensions are in mm unless otherwise stated.

Shell Size	Part N	A Max.	B Max.	C	D	E Thread	F Min.	G Max.
14	AS07PT-14-97SN-ALU	22.26	36.30	33.85	26.84	M24x1.0	25.70	24.30



LET'S CONNECT

We make it easy to connect with our experts and are ready to provide all the support you need. Just call your local support number or visit www.te.com/industrial to chat with a Product Information Specialist.

For More Information

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Consult TE for the latest dimensions and design specifications.

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