

NORMAQUICK® PS3 with integrated temperature sensor



High-performing and cost-efficient Quick Connector with integrated temperature sensor

Automotive fluid systems are equipped with a network of sensors that transmit information to an ECU (Electronic Control Unit) to regulate the vehicle's various functions.

Among the various types of sensor, temperature sensors play an important role in the thermal management of electric and hybrid vehicles.

Located at key points of the thermal management system, Quick Connectors are the ideal components for embedding temperature sensors.

Thanks to its expertise in fluid transfer systems for vehicle thermal management, NORMA has developed a quick connector that optimally integrates a temperature sensor.



This is what you will love!

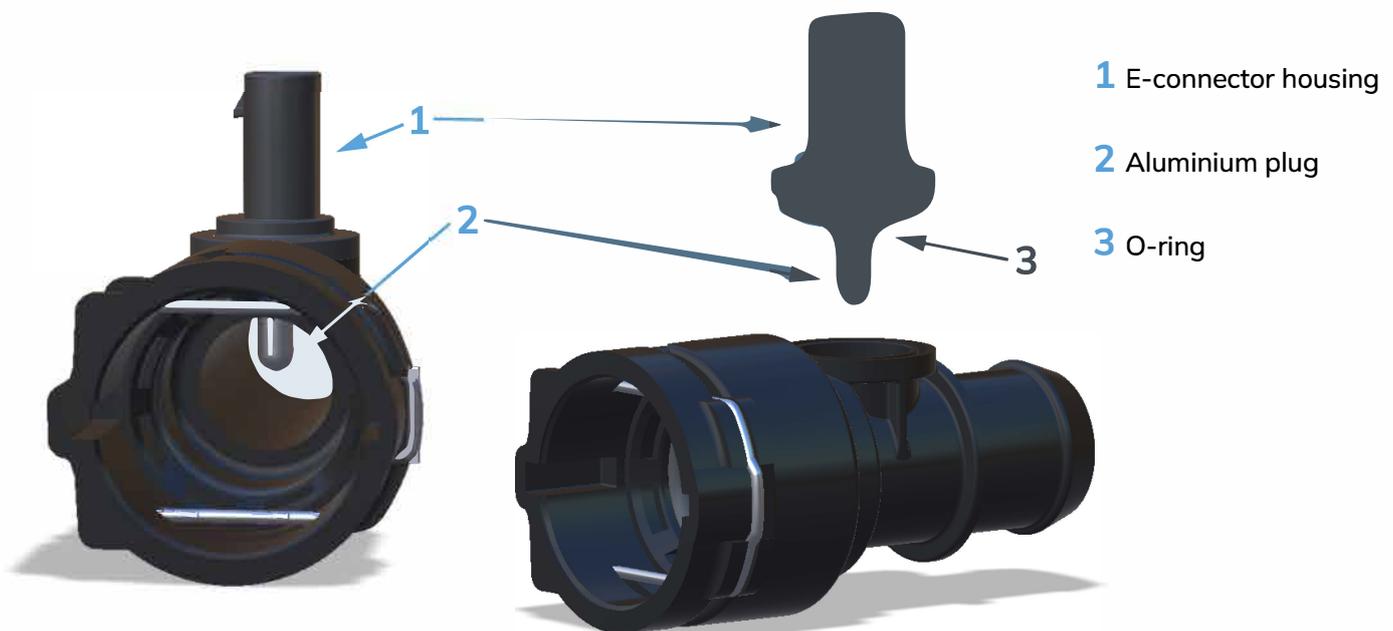
- ✓ NORMA has designed and produced its own temperature sensor to optimize function costs.
- ✓ Top-level accuracy and response times.
- ✓ Uncompromising performance and reliability.
- ✓ Meets 100% of customer technical requirements, validated for up to 125°C.
- ✓ Compact design for easy integration.
- ✓ The NORMA temperature sensor can be integrated into various families of quick connectors.

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Where you can use it:

- ✓ Thermal management of electric, hybrid and internal combustion engine vehicles.

How it looks:



Technical features at a glance:

- VDA QC with NW16 mm (T° sensor applicable to other types & sizes of QCs)
- E-connector automotive grade TE MCON 1.2mm
- Temperature range -40°C to +125°C
- Accuracy < $\pm 2^\circ\text{C}$
- Response time < 5s (τ)
- Fully protected thermistor against fluid
- Aluminium plug anodized for higher resistance
- T° sensor ultrasonic welded on the quick connector body
- High endurance against coolant flow
- Coolant medium water/glycol

You might also be interested in these additional features :

1 Low assembly force VDA Quick Connector



For all new NORMA VDA Quick Connectors :
An assembly force reduced to < 50N
For a seamless and efficient assembly experience

2 Modular Quick Connector



Build your own Quick Connector with existing subassemblies (Quick connector head + Quick connector body)
Reduced development time and costs

3 Connection positive assurance by QR Code

Disassembly



Assembly



The QR Code can only be read if the Quick Connector is perfectly connected.
This poke yoke can be integrated into any NORMA VDA QC (*), including those incorporating a temperature sensor.

(*) whose size is greater than or equal to NW 8mm



Do you have questions or require a personal consultation?

Feel free to contact us: info@normagroup.com

Or visit our website for more information about our solutions: www.mobility.normagroup.com

