

T H E R M O M E T R I C S
A C O M M I T M E N T T O E X C E L L E N C E
AN AMPHENOL COMPANY

CTTS-400328-F01

Exhaust Gas Recirculation (EGR) Sensor



Description

The **Thermometrics Automotive Exhaust Gas Recirculation (EGR) Sensor** is used to detect the operating temperature of the exhaust pipe to determine operating conditions and potential system failures. This sensor can be used in the exhaust gas and the low temperature sensor is used in the in-take air stream. Designed for fast response, optimized for thermal dissipation and suitable for high vibration and corrosive environments.

Features

- Operating temperature range: -40 ~ 300°C
- USCAR 1.2mm sealed connection system IP69K
- M12x1.5-6g thread
- SUS304L steel body and SUS316L tube
- Existing field proven design
- High accuracy and long-term stability
- Compliance with RoHS
- Extremely fast response
- Copper gasket sealing

Applications

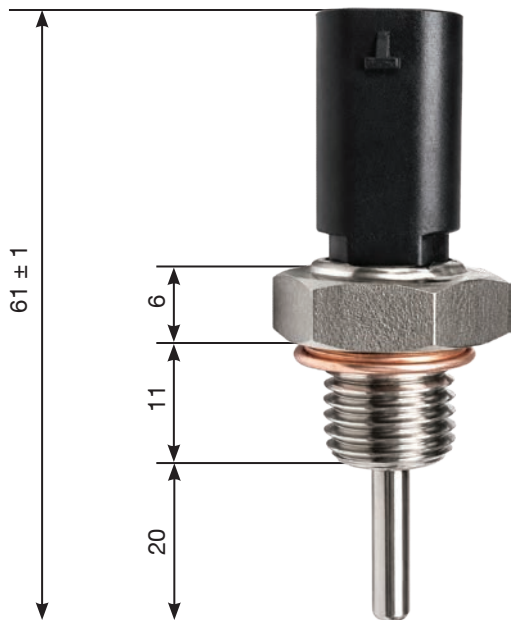
- Exhaust pipe temperature monitor
- Air in-take temperature monitor



Amphenol Sensors

EGR Sensor Specifications (CTTS-400328-F01)

Dimensions



Resistance vs. Temperature			
TEMP (°C)	Resistance Low (KΩ)	Resistance Nominal (KΩ)	Resistance High (KΩ)
-40	123.6	134.7	146.8
0	31.6	33.88	36.28
25	16.11	17.13	18.2
50	9.074	9.58	10.11
100	3.582	3.74	3.902
130	2.276	2.363	2.452
180	1.21	1.247	1.284
200	0.9674	0.9998	1.032
300	0.3921	0.4093	0.4268

Operating Temperature Range

-40°C to 300°C

Storage Temperature Range

-40°C to 100°C

R180 @ 180°C

R180 =1.247KΩ±3%

B Value

Beta (25/50)°C=2240K ±1%

Response Time

T63≤10 seconds

Gasket Material

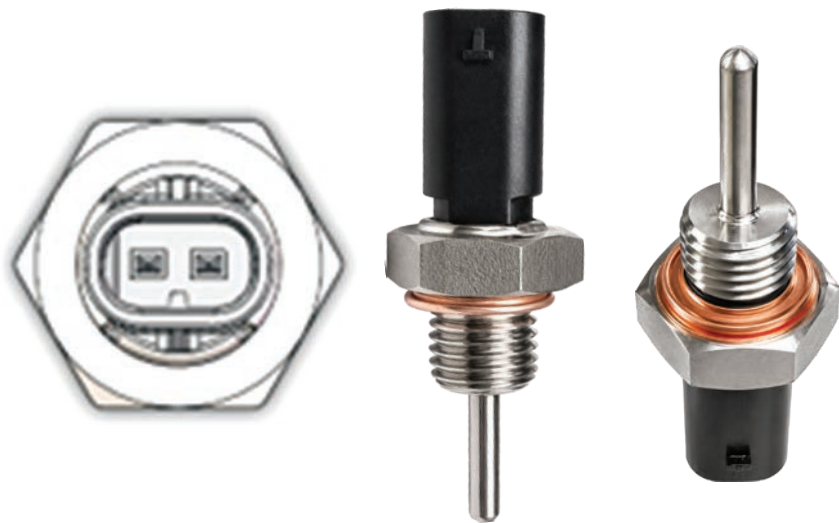
Copper

Connector

TE 2-1718643-1

Part No.

CTTS-400328-F01



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