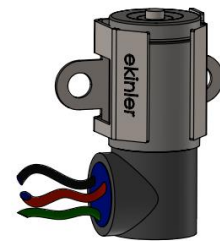




EKINLER

AEROSPACE SENSOR SOLUTIONS





GENERAL INFORMATION

Produced by Ekinler Endüstri variable reluctance (VR) speed sensors consist of an iron core, an inductive coil, and a permanent magnet. A ferrous pole wheel passing the sensor face changes the magnetic field strength, resulting in an AC voltage being induced in the coil.

FEATURES

Description	Variable Reluctance
Housing Material	Stainless Steel
Termination	D38999 Series Connectors
Operating Temperature	-67 °F to 302 °F
Output Voltage Range	1 Vp-p to 60 Vp-p
Approvals	DO-160G Standarts



GENERAL INFORMATION

Ekinler Endüstri pressure transducers has been specially designed to meet the needs of military and/or marine applications and conforms to military specification. Pressure transducer is a miniature design that provides reliable measurement where space and weight are a concern. The corrosion resistant construction and compact design can handle the toughest of environments provides for an ultra light design.

FEATURES

Pressure Reference	Absolute, Sealed Gage, Vented Gage, Differential
Pressure Range	1 psi to 10.000 psi
Pressure Interface	Threaded fitting, face seal flange, tube/hose (as specified)
Compatible Media	Fuel, oil, air, hydraulic fluid
Outputs	Millivolt, amplified voltage, 4-20 mA, digital
Housing Material	Stainless Steel
Termination	D38999 Series Connectors
Operating Temperature	-67 °F to 302 °F
Approvals	RTCA DO-160G

**Special designs are made according to customer needs.*

TEMPERATURE SENSOR



GENERAL INFORMATION


Ekinler Endüstri RTD temperature probes has been designed to maximize isolation of the element and the probe from the mounting fitting and shell. This results in faster response and the least possible conductivity error. Construction features a S.S. shell with integral probe, welded to a S.S. hermetic connector. A lower cost aluminum shell with mechanically mounted connector (non-hermetic) is available. The mounting fitting, probe dia., probe length and connector type are customized for each application.

FEATURES

RTD Package	MIL-DTL-7990d standard RTD
Type	Thin film platinum connection via leads
Resistange Range	100Ω, 500Ω, 1000Ω
Accuracy	Class A (F0.15 according to DIN EN 60751
Operating Temperature	-76 °F to 320 °F
Insulation Resistance	20 MOhm min. terminal to case
Housing Material	Stainless Steel
Termination	D38999 Series Connectors
Typical Apps	Aerospace, test and measurement
Approvals	RTCA DO-160G

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GENERAL INFORMATION

PTOIL (Pressure-Temperature-Oil) sensors provide integrated pressure and temperature measurement within oil systems. These multi-parameter sensors deliver critical real-time data for monitoring engine performance and predicting maintenance needs.

FEATURES

RTD Package	Leadless chips, wired component, GO
Type	Thin film platinum, tube outline, connection via leads
Resistange Range	100Ω, 1000Ω (Other values on request)
Accuracy	Class T (F0.1), A (F0.15), B (F0.3) according to DIN EN 60751
Pressure Reference	Absolute, Sealed Gage, Differential
Pressure Range	1 psi to 10.000 psi
Outputs	Millivolt, amplified voltage, 4-20 mA, digital
Typical Apps	Aerospace, test and measurement
Approvals	RTCA DO-160G
Housing Material	Stainless Steel
Termination	D38999 Series Connectors
Operating Temperature	-67 °F to 302 °F

*Special designs are made according to customer needs.

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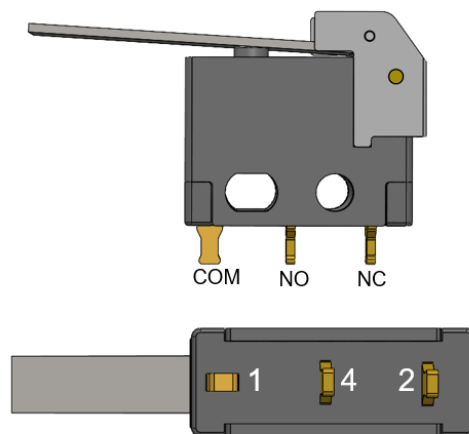


GENERAL INFORMATION

Ekinler designed a family of linear variable differential transformers (LVDT). Our LVDTs are available in two varieties - basic and high temperature. The high temperature LVDTs have been installed on various engine platforms and are designed to withstand extreme temperature ranges.

FEATURES

Description	Linear Variable Differential Transformer
Housing Material	Stainless Steel
Termination	Lead Wires
Operating Temperature	-67 °F to 302 °F
Hermetic Seal	1 x 10e-6 atm cc/s
Approvals	DO-160G Standarts



GENERAL INFORMATION

Miniature switches produced by Ekinler Endüstri small in size is rated for controlling electrical loads ranging . Subminiature switches package is available with either solder terminalsto fulfill the requirements for electrical connectivity and a wide variety of stainless steel levers are available. Our microswitches are characterized by a large range of switching ratings from 1 mA to 10 A.

FEATURES

Description	SPDT
Housing Material	P6T/66(PPA)
Mechanical Endurance	2,000,000 operations min.
Electrical Endurance	200,000 operations min.
Contact Material	silver, gold, gold bifurcated
Electrical Rating	up to 5 A at 28 Vdc, 5 A at 250V AC
Temperature Range	-55 °C to 150 °C
Actuators (auxiliary)	straight leaf, roller leaf, straight lever, roller lever
Approvals	IEC 60947-5-1, IEC 60068-**