

What's New?

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GRACE ENGINEERED PRODUCTS, INC. GRACEPORTS

The GracePort® is a panel interface connector that allows qualified personnel access to control panels safely through closed doors. These convenient access ports eliminate the risk of contamination to the panel as well as risk of an arc flash occurrence. Thru-door PLC access enhances compliance to NFPA 70E & CSA Z462 and complies with OSHA energy isolation principles. Grace's ability to fully customize your GracePort® to meet precise needs means never having to compromise safety.

Several housing options are available to meet your specifications. The size of your housing depends on several variables including the kinds of components and power options you choose. Housings include UL Type 1, 3R, 4, 4X, 12, stainless steel, hazardous environment, and large protective housings. Various component connectors are available as well as power options for international and domestic applications. Customizing your GracePort® is the perfect option to meet any necessary specifications.

Featured inside:



PUMP-OUT APP



AMPLIFIERS



WELD NUT SENSOR



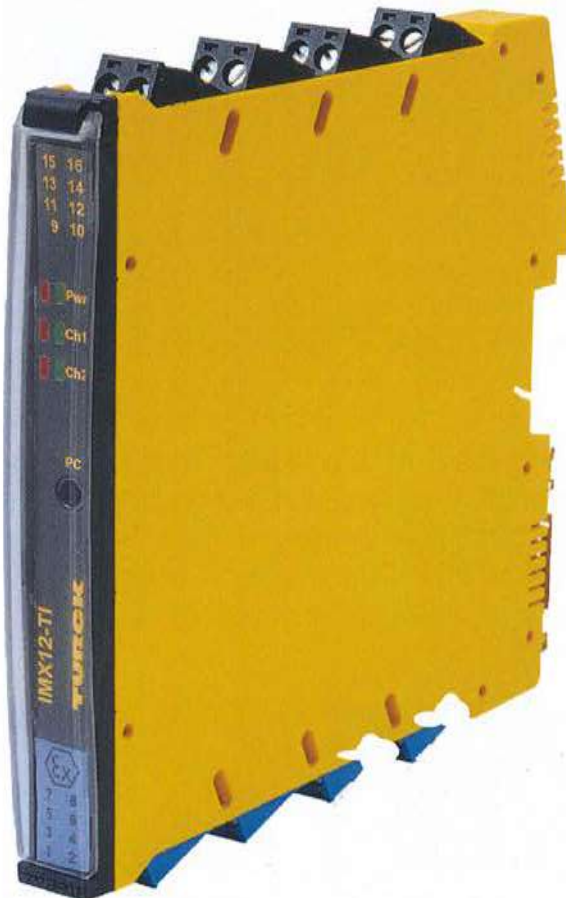
DRAW WIRE ENCODER



SENDIX ENCODER

TURCK PRESSURE TRANSMITTERS DEVELOPED FOR DEMANDING HYDRAULIC APPLICATIONS

- Transmitter housing is gel filled, welded stainless steel which eliminates problems caused by condensation and increases chemical compatibility
- Housing is more compact than existing solutions, making it suitable for more applications with space constraints
- Capable of handling pressures up to over 14,000 psi as well as process media up to 135 °C
- Comes equipped with a standard M12 connector that is available in multiple wiring configurations to allow for easy integration into existing applications
- Available with process connections such as NPT, BSPP & SAE
- Carries IP67 rating, and has an operating temperature range of -40 ° to 135 °C
- Offers multiple output signals to provide additional options for customers and allows the offering to adapt to users' existing control circuitry; 4-20 mA, 0-10 V, ratiometric, 1-6 V, and 0-5 V



TURCK TEMPERATURE MEASURING AMPLIFIERS WITH ULTRA-HIGH CHANNEL DENSITY

- Versatile temperature measuring amplifiers for use in SIL2 circuits and in Zone 2
- Width of only 12.5 millimeters, the highest channel density on the market
- 2 two-channel versions of the IMX12-TI: One for resistance thermometers or thermocouples with a 2- or 3-wire connection, or another for 4-wire resistance thermometers
- Operating temperatures up to 70 °C and operating voltages of 10 to 30 VDC
- Approved for all relevant markets, meet the requirements of SIL level 2 and are suitable for use directly in Zone 2
- Can be designed to work redundantly and with group fault messages

TURCK LOW-PROFILE WELD NUT SENSOR OFFERS RUGGED, COMPACT SOLUTION



- Compact solution for applications that require reliable detection for the presence or absence of a nut welded to sheet metal
- Optional teach button can be used to program the sensor to differentiate between the sheet metal material and the weld nut
- When nut is properly placed, the sensor sends a signal to the PLC, which allows the robotic welder to weld the nut to the sheet metal
- New low-profile weld nut sensor measures 61 mm, with a probe tip diameter of 4 mm to accommodate down to a 5 mm weld nut
- Cable version includes a robust TPE-style jacket with a molded M12 connector for flexible mounting possibilities, and four-way LED for visibility from all sides
- Other sensors in this series will sense nut diameters of 6-12 mm and 10-20 mm, available with integral M12 connectors, and IP67 rated
- Sensor has a titanium nitride coated probe • Uses magnetic inductive technology

TURCK PUMP-OUT APPLICATION + ALARM



Customer called wanting a sensor that could monitor fluid level inside a tank, and also give an overflow alarm.

We had the solution for this in our ultrasonic family, we call this call this: pump out; level control plus alarm.

We recommended a Turck Ultrasonic RU130U for this application. It has 1 output to be used to drain the level inside the tank (pump control). Second output is used for the overflow alarm.

Set up was easy with IO-Link and our free programming software.

Suppliers





EXTREMELY RUGGED AND EFFICIENT DRAW WIRE ENCODERS

- Various designs of open, closed housings or perforated plate cover
- The right level of durability for every application and price ensures reduced downtimes
- Protection rating to IP69k, wide temperature range from -40°C to +85°C • Reliable and durable outdoor use
- A variety of stable wire types (from 0.5 to 1.5 mm) and wire fastenings (clip, M4 screw thread and ring)
- Flexible and ideal integration into your application • Excellent linearity up to $\pm 0.1\%$
- Potentiometer, 0 ... 5 V, 0 ... 10 V, 4 ... 20 mA, CANopen interfaces • High performance and cost savings
- Redundant version available • High system availability



RUGGED AND COMPACT DRAW WIRE SYSTEM WITH SENDIX M36 ENCODER



- Magnetic Sendix M36 multiturn encoder measuring only 36 mm
 - Cost-efficient and reliable with energy harvesting technology
 - Easy encoder installation to the draw wire mechanics
- Saves time and cost – maximum adaptability – maximum flexibility
 - Suitable for tight installation spaces • Easy encoder replacement
- Diverse draw wire portfolio with measurement • Ranges of 0.3 m to 4.5 m
- The right performance for your application • No mechanical gears, no battery

POWERFUL AND RUGGED SLIP RING SR250H

- Rugged stainless steel housing, Ip64, and high-quality seals
- Reliable in harsh environments, resistant to chemical cleaning agents
- Multitude of connector and cable connections available
- Ensures high variability and flexibility • Quick and easy installation
- Designed for the highest adaptability • Load transmission up to 80 A
- Optimum supply of powerful drives



Literature Request?

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