

Rota is dedicated to providing its oil industry customers with highly reliable Ex connectors and position transducers. With our dedication to design and innovation, together with our attention to detail and strong customer focus, we look forward to providing your next connector or transducer solution.

For Zone 1 and 2



No Hot Work Permit needed

Safe, quick and easy to use

Patented

DR4 SERIES Exde Connector Class I Zone 1 & 2

- Live connect and disconnect.
- 3 to 9 contacts.
- 3 pin up to 10 Amps at 250 Volts.
- Very compact IP 68.
- Very robust, 316 Stainless steel body.

D3 SERIES Exd Connector

- Live connect and disconnect.
- 3 to 18 contacts IP 68.
- 3 pin up to 25 Amps at 275 Volts.
- Very robust, 316 Stainless steel body.

For Zone 0



For intrinsically safe circuits

Easy to use

Ultra robust, SAE 316L

B SERIES Exi Connector Class I Div 1

- Up to 9 gold plated contacts.
- 30mm Ø.
- IP69K Open face.

M SERIES

- Up to 21 gold plated contacts.
- 45mm Ø.
- IP68 self assessed well sealed.

R SERIES

- Up to 41 gold plated contacts.
- 60mm Ø.
- IP68 self assessed well sealed.

For Zone 0 and 1 and 2 Fibre



F2 Series

FD2 Series

For OPIS systems

For mounting to Ex de enclosures

Low dB attenuation

F2/FD2 SERIES

- 2 contacts.
- Multi-mode and single-mode fibre type.
- IP66/IP67.
- -40°C to +70°C.
- 316 Stainless steel body.
- 30mm Ø.

For Zone 1 and Zone 2



DR4

No Hot Work Permit needed

Removable memory

Bluetooth connectivity

DR4/USB/BLUETOOTH

- Unique DR4 insert design.
- Disconnect live without the concern of residual energy in the USB stick allowing the use of customer's own flash drive/dongle.
- Very robust - no threads to gall.
- Very compact, 316 stainless steel body.
- -40°C to +60°C.
- IP66/IP68 - 10 bar (145 PSI)/ 1 hour when mated or capped.

For explosive atmospheres in cylinder mount



LK Series

LD Series

A Ex, IECEx and ATEX certified

Intrinsically safe and subsea options

High shock & vibration capability

LK SERIES Class I Div 1

- Explosive atmosphere transducer for Zones 0 and 1 and 2.
- Intrinsically safe design.
- Various signal outputs.
- No external electronics head.
- Sealed up to 69K.

LD SERIES Class I Div 2

- Explosive atmosphere transducer for Zones 1 and 2.
- No I.S. Barrier or galvanic isolator needed.
- All electronics in the sensor tube.
- Option with Rota's patented DR4 Connector allows removal without a hot work permit.

Independently mounted



LU Series

LN Series

Short pin to pin length

Intrinsically safe and subsea options

Ideal for retrofit

LU/LN SERIES

- LU Ultra heavy duty - Stainless steel build.
- LN Normal duty - Stainless steel build.
- IP69K open face B connector.
- LU & LN - Subsea & Ex I.S. versions.
- LUR - Dual output option includes redundant circuit and connector.

rota For subsea valve monitoring



API 17F

External subsea

Pressure to any depth

LWJ SERIES

- For linear actuators.
- Permanent subsea.
- Critical applications.
- Dual with redundancy if desired.

RWJ SERIES

- For rotary actuators.
- Permanent subsea.
- Critical applications.
- Dual redundancy if desired.
- Discrete Switch position and radial option.

rota For piston accumulators



Transducer on the outside

Sees through carbon steel walls

No additional seals

AC SERIES

- Suitable for thick wall carbon steel piston accumulators.
- Ideal for some long vertical cylinder applications.
- Solid state design.
- Installed 360° magnet can rotate with modified piston.
- No end cap modification required.
- Resolution 5mm.
- Subsea & Ex I.S. versions.

For Subsea rotational measurement



ROW Series

Absolute signal output

0.4° resolution

up to 700 rpm measurement

ROW SERIES

- Through hole allows rotating shafts to be monitored
- Pressure-balanced oil-filled hoses (PBOF), penetrator cables etc. can be run through the centre
- Analogue Voltage/Current/PWM Options
- CANbus SAE J1939, CANopen, and ISOBUS options
- Full 360° or limited angle measurement
- Stainless Steel 316L double-sealed enclosure
- 121 mm I/D, 195 mm O/D
- Compatible with most subsea connectors
- Connector can be mounted either on O/D (as shown) or on top face
- Solid-state, zero wear

For Subsea Angular Position Measurement



RJW Series

290° measurement capable

0.4° resolution

Solid-state, zero wear

RJW SERIES

- Compact design for up to 290° angle measurement
- Analogue Voltage/Current/PWM Options
- CANbus SAE J1939, CANopen, and ISOBUS options
- Stainless Steel 316L double-sealed enclosure
- 70 mm I/D, 150 mm O/D
- Compatible with most subsea connectors