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Co250CAN Contactless Connectors

September 2026 — Radiall, a global leader in interconnect solutions, launches the Co250CAN, a contactless slip ring connector for power and data transmission in harsh environments. Connectors are often the primary point of failure in electronic systems, due to poor design and mechanical or environmental stress. Traditional physical connectivity struggles in harsh conditions such as vibration, dust and other environmental factors, whereas contactless connectors offer greater reliability. The main markets for contactless connectors are space, defense and industrial applications.

Since launching the Co60ETH in 2022, Radiall has continued to advance its contactless connector portfolio with the Co15CAN in 2024, the Co30CAN in 2025 and now the Co250CAN in 2026. The Co250CAN enables unlimited 360-degree rotation through a circular architecture, eliminating the cable torsion, tangling and degradation that is common in dynamic applications, making it ideal for rotating platforms and robotics.

Features & Benefits

- 250W continuous power
- 1 Mbps bidirectional data
- 15 mm max. air gap
- ± 5 mm misalignment
- 360° unlimited rotation

Applications

- Industrial automation
- Radar systems
- Medical robots
- Pipeline inspection
- Rotative system

For more information about Radiall's customized solutions, please contact a Radiall sales representative or visit the antennas & contactless connectors page on www.radiall.com.

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