

DigiTRONf

Fiber Optic Reliability Performance

1. DigiTRONf

DigiTRONf is Siemens Energy's response to a need for higher reliability fiber optic (FO) connectors.

Following extensive qualification testing, the trusted name of DigiTRON has launched a 12 way wet-mate fiber connector with a focus on reliable and repeatable performance, low optical loss and increased fiber count as standard - while being a cost effective alternative to existing products.

- More connections possible within the system optical budget
- Reduced connector count is possible with greater levels of redundancy
- Repeatability for increased system reliability and availability
- Confidence in increased use of subsea fiber connections

DigiTRONf has achieved high mate counts with no oil-loss or need for oil-flushing and exceeds the performance requirements of the Seafom TSD-02 specification.

DigiTRONf connectors share many common features with our DigiTRON range of connectors, making them operationally robust and familiar to users. These include identical materials, CE principle sealing, alignment method, latch and indicator, ROV handle and AquaTRON hose system.

1.1 Key Features

- 12-way APC
- 1,000 mates qualified
- No maintenance
- High repeatability
- Low optical loss Type IL<0.2dB RL>70dB

Siemens Energy offers a complete product portfolio to cover all the connection and measurement needs of subsea control systems and XT equipment.

- Manufactured Under One Roof in the UK (Sensor/Norway)
- One contact for multiple scopes of supply / Best prices for increased volume / joined up delivery schedules



Associated product ranges:

ElecTRON

XT electrical feed-throughs

SpecTRON

HV electrical connectors

WEPS & SDP

Well-head PT sensor and subsea differential pressure sensors

The DigiTRON range:

DigiTRON+ - LV comms and power, AC and DC qualified

DigiTRONe - Ethernet, 100 Mbps, SiiS level 3

DigiTRON3 - 3kV AC rated system, long step-outs

DigiTRONf - High reliability 12-way fiber optic connection

DigiTRONacs - Advance Converter and Switch: FO to copper conversion



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