

Distributed Processing Units

Remote Digital Output (RDo-16xe)



KONGSBERG



Description

This digital output module is a multi purpose flexible device that covers the most common output signal types in a marine automation system.

The module requires 24VDC input power and provides over redundant CAN Open 4.0 high speed field bus, sensor data processed and time stamped.

Functions

- 16 digital output channels with LED status indicators
- One pole change over, brake before make
- CAN net status, error handling

Features

- All parameters stored in the module
- Remote configuration
- No trimmers or jumpers
- No serviceable parts inside module
- All connections are pluggable
- Suitable for direct installation on the main engine
- Module includes status LED's for: Watchdog, running, general information, initialized module and power polarity



Supply voltage

- 18 - 32 VDC

Power consumption

- 4W (+ 0.5W pr. used channel)

Operating temperature

- -15°C to +70°C

Storage temperature

- -25°C to +70°C

Max rel. Humidity

- 96% non-condensing

IP Code

- IP20

ENV properties

- IACS E10
- IEC 60945

Vibration

- 4 G

Weight of unit

- 1.6 kg

Mounting

- Screws (4 pcs M5)

Connections, plugable screw terminals

- I/O 3 terminals 2.5mm²
- Power 4 terminals 2.5mm²
- CAN bus 4 terminals 2.5mm²

Signal types

- Digital Output

Specification

- All outputs max. 3 Amps 230VAC/32VDC
- Max inductive load Cos(φ)=0.5

Communication interfaces

- 2 CAN ports for communication with host.

Isolation

- Power: Isolated/floating from module chassis.
- Output: Isolation between channels (relays)
- CAN: Individually isolated.

BIST (Built In Self Test)

- Module temperature

Type Approval

- DNV, LRS, BV, GL, RINA, NK, ABS, KR, RMR, CCS (allows direct mounting on engines, compressors, etc. in suitable cabinets)

Part number

- 329699

