Distributed Processing Units
Remote Digital Output (RDo-16xe)

**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