

Devices for inland water and sea



Applications

- devices for ships
e.g. on upper deck for operating the winch
- design for rough conditions: rain, snow...
- surveillance and control devices for outdoor conditions

Classification

- German Lloyd

Common features

- protection IP56 (DIN EN 60529)
- all non-coated parts made of stainless steel or electrogalvanized
- closed compact design

Technical data of controller

- rating insulation voltage U_i 400 V
- conventional thermal current I_{th} 16 A
- rating operational voltage – rating operational current
 - AC12: $U_e = 230\text{ V-50/60 Hz}$ – $I_e = 16\text{ A}$
 - AC15: $U_e = 230\text{ V-50/60 Hz}$ – $I_e = 6\text{ A}$
 - DC12: $U_e = 24\text{ VDC}$ – $I_e = 1,7\text{ A}$
 - DC13: $U_e = 24\text{ VDC}$ – $I_e = 1,1\text{ A}$
- mechanical life 10 mio. cycles
- surrounding temperature $-40...+60\text{ }^\circ\text{C}$
- Regulations
 - IEC60947-1, DIN EN 60947-1, VDE 0660 part 100
 - IEC60947-5-1, DIN EN 60947-5-1, VDE 0660 part 200

Types

on deck controller Od22

- case made of sea water resistant aluminium
- available with flat cover or with upper part of instruments
- robust lever
- controller with max. 4–0–4 steps
- attachment of potentiometer or encoder possible
- grey powder coat

on deck controller OdS

- case made of coated sheet metal or stainless steel
- dimensions of case according to client's requirement
- installation of NS0–SFA controllers

Options

- installation of additional control devices:
emergency stop, lamps, other instruments
- client-specific design
- special painting (e.g. Munsell...)
- wiring on terminals
- pillar with circle or rectangular flange
- controller with mechanical interlock
- electrical standby heating
- EExd-type
- further information see catalogue: OD-2
dimension sheets see catalogue: TI–Od22