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Industrial ATEX Ex d VoIP intercom with robust IK10 aluminum enclosure for hands-free operation
OCEAN™ OCSip327TD

OCEAN-ip™

Ex

REACH COMPLIANT

RoHS COMPLIANT

IP65 **IK10** **HANDS-FREE** **CE** **EAC**

ATEX UE certificate: ICEPI 07ATEX03C012

Ex protection : .... II2GD Ex d IIB+H$_2$ T5 − IP65 (-25°C +55°C)
Shock-Resistance: .... IK10 [EN 60950]
IP rating:.. IP65 [EM 60529]
Material:.. Aluminum light-alloy RAL2003
Mounting:..wall brackets
Weight: .... 25 kg
Temperatures range Ex certificate: ....-25°C +55°C
Temperatures range of electronic cards: ....-40°C ÷ +70°C
Dimensions:.. see drawing
Power voltage:..PoE and/or 12Vdc
Cable inlets: ....2 x ¾" NPT
Cableglands:.. not included
MTBF:..180.000 hours
MTTR:.. <3 minutes

OCEAN-ip® SERVER-LESS

OCEAN-ip™ is a professional industrial intercom system ready to work on **ETHERNET**, with **no needs of any Server**. However, the intercom stations OCEAN-ip can also be connected to any SIP server and of course to the TELEINDUSTRIA DESQO™ professional platform. The family **OCEAN-ip™** ensures a **high quality of conversation** in industrial and public environments with **high ambient noise**.

OCS327TD

OCSip327TD is a **SMART VoIP (SIP)** Full-Duplex and PTT hands-free industrial intercom station, realized in a strong explosion-proof **ATEX Exd** aluminum body, **vandal-resistant** and resistant to shocks **IK10**, with **IP65** protection.

A **big size re-entrant cone loudspeaker Ø136mm** is integrated on the top of the station in order to assure the best performances in very noisy areas. Due to the mechanic construction (protection by syntherized closures) both the microphone and speaker are **non violable from the outside**.

The integrated microphone is equipped with **electronic noise compensation** and **sound compression**. A progressive adjustment of the microphone sensitivity and the volume level of the built-in speaker is available. The equipment can work both in **Full-Duplex** and in **PTT** (Push-to-Talk) mode. PTT function is a very apreciated option in emergency communications.

Electrical Characteristics

Protocol: ....SIP (peer to peer)
Power:.. PoE and/or +12Vdc
Loudspeaker: ....built-in 15W-8Ω
Built-in microphone:...........................with sound compression
Electronic Bell:.............................. up to 95dB@1m, adjustable
Programmable:..via webpage

Main Functions

- Single call to any other station by a two-digit number
- General Call (paging) on all the stations by dedicated push-button "GC"
- Push-to-Talk mode for high quality conversations in high noisy areas (>90dB)

Keypad, Display and LEDs

#10 numbering keys (0÷9)
#1 PTT (Push-To-Talk) button
#1 Conference button
#1 General Call button
#1 CANC button
#2 buttons for volume adjustment
#1 LCD graphic, retro-illuminated (128x64 pixel)
#2 Red/Green LEDs indicating Tx/Rx condition

Optional functions

DC/DC converter: .... 48Vdc or 24Vdc
Booster amplifier: ....25W - 16Ω (24Vdc)
AFD: ....Auto Fault detection with audio local test
Relay for external repeaters: ....NO/NC (1A)
Audio output: ....0dB audio output
TelDia™:..................................Ready for remote interrogation