zenitel

DATASHEET



1007095300

ATEX IIC T6

Explosion-Proof Substation

Description

- Heavy duty industrial ATEX substation
- Designed for the Vingtor-Stentofon AlphaCom exchange
- Can make calls and call request to pre-programmed stations
- Robust buttons for:
  - Call request
  - Press to talk for optional simplex conversation
  - Cancel
- Rugged weatherproof cabinet of lacquered steel

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- Handset for soft speaking conversation
- Requires an external loudspeaker
- Relay output for control of optional signal unit
- Advanced supervision functions

The station is designed to satisfy ATEX regulations and carries the following approval EX de [ia] IIC T6.

Power is needed for the internal 10 W amplifier to drive an 8 Ohm or 20 Ohm speaker. The station is connected to the exchange using a 3-pair cable.

The handset microphone is always connected, thereby permitting direct answer back when receiving a call.When using the handset during conversation, the external loudspeaker is turned off.

An optionally connected call warning device will also turn off when lifting the handset for conversation. The conversation will be cancelled by placing the handset back on hook, or by pressing the "Cancel" button. The call request button can be programmed to call any number in the exchange.

The station is made for duplex conversations but can be put in simplex mode by pressing the M button in the station, or the talk button in the handset.

To provide maximum availability the station comes with advanced supervision functions. The station line test will detect if there are any faults in the network or station electronics. In addition the station supports tone test, testing the complete transmission path including microphone and speaker. The status of the stations is reported to AlphaWeb as well as to 3rd party management systems using SNMP, Syslog, OPC or the STENTOFON Software Development Kit (SDK).

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Specifications

ORDER NUMBER	DESCRIPTION	SHIP WEIGHT
1007095300	Heavy Duty Substation ATEX II C T6	23 kg

SPECIFICATIONS

Dimensions (WXHXD)	215 x 687 x 187 mm
Protection	EX de [ia] II C T6
IP protection	Cabinet IP -65
Handset	Intrinsically safe, via zener barriers inside the EXd enclosure
Weight	23 kg
Temperature	-40oC to +55oC
Relative humidity	0% - 95%
Internal power amplifier	10 W
Power amp operating voltage	24-30 VDC
Loudspeaker	External 8 or 20 ohms loudspeaker must be installed
Material	Cabinet is in laquered steel, light beige
Keypad	3 x large buttons: M, DAK, C
Max loudspeaker output	2 pairs for audio, 1 pair for 24-30 VDC to power amplifier
Distance to exchange	4.0 km (18 AWG - 0.9 mm), 3.4 km (20 AWG - 0.8 mm), 2.0 km (22 AWG - 0.6 mm)
	8 ohms loudspeaker, 24

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Distance to power supply	VDC, 0.6 mm: 70 m, 0.8 mm: 100 m, 1 mm: 200 m
	8 ohms loudspeaker, 30 VDC, 0.6 mm: 150 m, 0.8 mm: 250 m, 1 mm: 450 m
	2 0ohms loudspeaker, 24 VDC, 0.6 mm: 150 m, 0.8 mm: 250 m, 1 mm: 400 m
	20 ohms loudspeaker, 30 VDC, 0.6 mm: 350 m, 0.8 mm: 650 m, 1 mm: 1000m
Control of external call device	Potential free relay contact (3 A, 30 VDC)
Connector type	Screw terminals
Compliance	CE, FCC Part 15

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