

SANTIS®-ab V3.1



A powerful system

In recent years, ISDN-based communications have made massive inroads into the telecom market. A technology that was once the exclusive preserve of corporate and business users is now the system of choice for even private subscribers.

Once they have experienced the speed and convenience of making phone or fax calls together with the numerous timesaving features that come with ISDN systems, most people would be reluctant to do without them.

The SANTIS-ab V3.1 comes with a digital S bus and two analogue interfaces to give users all the advantages of ISDN, even with non-digital phones.

SANTIS and its environment

Environmental hazards affect our daily life in a more severe way nowadays. Therefore protection against lightning becomes more and more important as a result.

The new generation of SANTIS is considering this fact and is built to withstand these impacts. SANTIS V3.1 is designed to offer an outstanding 6kV lightning protection for higher availability.



SANTIS V3.1 at a glance

- Outstanding 6kV lightning protection
- Digital S-Bus
- 2 analogue interfaces with a complete range of S-Bus supplementary services
- Rapid, simple installation with genuine plug-and-play capability therefore
- Enormous savings on installations
- Installation independent of network operator
- Emergency mode operation in case of power failure

Technical details

Mechanical

W x D x H	232 x 180 x 49,6 mm
Weight	approx. 590 g (NT only)
Assembling	Suitable for desktop or wall mounting
Colour	RAL 9018 (white)
LEDs	- Local feeding (on) - Remote feeding (on)

U-Interfaces

Complies with ETSI TS 102 080 standard
Line code: 2B1Q

S-interface

Complies with ETSI ETS 300 012 standard

S-bus termination

100 ohm; high impedance

S-bus configuration

Point to Point; Short passive bus; Extended passive bus

ab-interfaces

Supplementary services: These services are available for both analogue interfaces.

Keypad

All services are available with the keypad sequence

Functional protocol

3PTY	Three party conference
AOC	Advice of charge (During, End of call)
BC/HLC	Bearer capability
CCBS	Call Completion to Busy Subscriber
CFx	Call Forwarding (Unconditional, Busy, No Reply)
CLIP	Calling Line Identification Presentation (DTMF, FSK)
CLIR	Calling Line Identification Restriction
COLP	Connected Line Identification Presentation
COLR	Connected Line Identification Restriction
CUG	Closed User Group
CW	Call Waiting
ECT	Explicit Call Transfer
HOLD	Hold subscriber
MCID	Malicious Call Identification
MSN	Multiple Subscriber Numbers
SUB	Sub addressing
TP	Terminal Portability
DDI	Direct Dialling
DR	Distinctive Ringing
HL	Hotline (Baby Call)
OCB	Outgoing Call Barring

Power supply

Built-in mains power unit (230 VAC, 50 - 60 Hz)
Power cord with EURO connector (1,9 m)

Operation states

The Plug & Play function detects the connected switch type and runs in either
- Analogue state
- ISDN state

Operation modes

NT1+2ab; NT1; Pair gain; NT1+2ab+CA

Emergency mode

Emergency mode may be assigned to either:
- S-bus
- Analogue interface

Local configuration

Analogue Terminal Equipment via DTMF

Remote configuration

In addition to local configuration the SANTIS-Communicator allows remote configuration and maintenance across ISDN in conjunction with the SANTIS-Management System for remote access. For further details please see the Technical Description for the SANTIS-Management System.

Standard HW Versions

Interface	WM I	WM II
U	1x clamps	1x RJ45
S	2x RJ45	2x RJ45
ab1	1x RJ11	1x RJ45
ab2	1x RJ11	1x RJ45

Delivery

The SANTIS is delivered for public transportation. The box contains one power cord and a user manual.

Pallet Capacity

180 units per pallet

Quality

MTBF: 170 years (25° C)
EMC: EN 55022; EN 61000-3-2/3;
EN 300 386 V.1.3.1; ES 201 468 (level 2)
Safety: EN 60950
Protection: ETS 300 047-5
Resistibility: ITU K.20/K.21 (enhanced test levels)
Storage/Transportation/Operation
ETS 300 019-1-1/2/1-3 Class 1.2/2.3/3.2
CE Mark

Ordering Information

WM I: S1608-K1200-A11
WM II: S1808-K1200-A12

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