BOSCH

Invented for life

PRS-CSI Call Station Interface

▸ **Connects a remote call station to the Praesideo network via CAT-5 cable (up to 1 km)**

▸ **Powered by the Praesideo network and/or local power supply**

▸ **Two supervised control inputs**

▸ **Built-in DSP for audio processing functions**

▸ **Complete supervision of the unit**

The PRS-CSI is an interface between a single remote call station, PRS-CSR, or a remote call station kit, PRS-CSRK, and the fiber optical Praesideo network. It uses CAT-5 cable for the connection to the remote call station. The CAT-5 cable, carrying digital audio and control data, can be as long as 1 km. The length of the CAT-5 cable is not a part of the Praesideo optical network length. This considerably increases the overall possible length of the optical network, especially in cases, where the call station is located far from the rest of the system.

The call station interface can get its power from the Praesideo network, and/or from a local power supply. It is fully supervised.

Functions

The interface can connect a single PRS-CSR remote call station or PRS-CSRK remote call station kit to a Praesideo system with up to 1 km of CAT-5 cable.

The interface is fully digital, supporting high-quality sound with a built-in DSP for audio processing of the remote call station. It supports complete supervision of itself, the call station, and the connection, as well as of two control inputs. It supports the fail safe mode of remote call stations, allowing them to put through emergency calls, even if the network controller fails. The unit is configured via the network controller.

Controls and indicators

* Two LED indicators for power and network status
* Two jumpers (below cover) to separate power supply of call station interface and remote call station
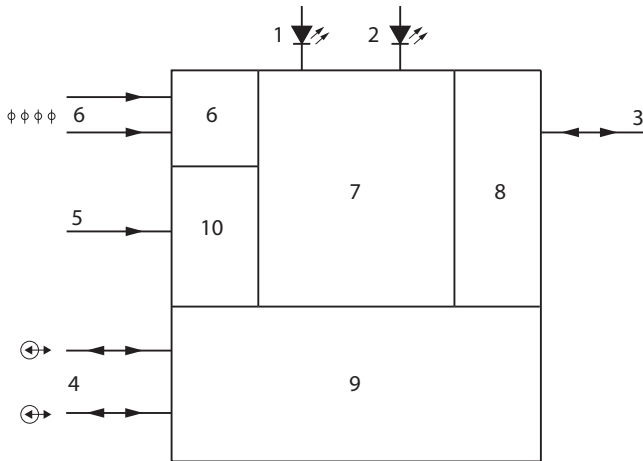
Interconnectors

* Two Praesideo network connectors
* RJ45 connector for CAT-5 connection
* Kycon type (lockable) connector for power and two control inputs

Certifications and Approvals

Region	Certification	
Europe	CE	
	TUEV-SUED	TUV Certificate IEC60849
	GL	GL-SOLAS
Safety	acc. to IEC 60065 / EN 60065	
Immunity	acc. to EN 55103-2 / EN 50130-4 / EN 50121-4	
Emissions	acc. to EN 55103-1 / FCC-47 part 15B	
Emergency	acc. to EN 60849 / EN 54-16 / ISO 7240-16	
Maritime	acc. to IEC 60945	

Installation/Configuration Notes

1	Fault LED
2	Power LED
3	CAT-5
4	POF
5	External (back-up) power 18-56 V
6	Control inputs
7	Network processor and DSP
8	UTP interface
9	Network redundancy switching
10	Power supply

Parts Included

Quantity	Component
1	PRS-CSI Call Station Interface
1	Power supply connector

Technical Specifications

Electrical

External power supply	18 to 56 VDC
Power consumption	3.7 W
Control inputs	2 x
Operation	Closing contact (with supervision)

Mechanical

Dimensions (H x W x D)	27 x 243 x 80 mm without bracket (1.1 x 9.6 x 3.1 in) 34 x 243 x 84 mm with bracket (1.3 x 9.6 x 3.3 in)
Weight	0.7 kg (1.5 lb)
Mounting	Bracket (2 screws)
Color	Charcoal

Environmental

Operating temperature	-5 ºC to +55 ºC (+23 ºF to +131 ºF)
Storage temperature	-20 ºC to +70 ºC (-4 ºF to +158 ºF)
Humidity	15% to 90%
Air pressure	600 to 1100 hPa

Ordering Information

PRS-CSI Call Station Interface
an interface between a single remote call station, PRS-CSR, or a remote call station kit, PRS-CSRK, and the fiber optical Praesideo network.
PRS-CSI

Accessories

PRS-CSR Call Station Remote
same functionality as the basic call station, LBB 4430/00, but it uses CAT-5 cable for its connection to the Praesideo network
PRS-CSR

PRS-CSRK Call Station Remote Kit
same functionality as the remote call station, PRS-CSR, but without its housing and other components
PRS-CSRK