PRS-NSP Network Splitter

www.boschsecurity.com

▶ Two current-limited network tap-offs

▶ Supports redundant network connection on main loop

▶ Can feed power from an external supply to the network

▶ Indicators for power and fault status

The network splitter is used in a network to provide two branches from the main cable run. It can use an external DC power supply, or it can use the power supply from the network controller. The unit automatically switches to the local power supply unit when it is connected to it, reducing the power drain on the main network. The network splitter can also function as a repeater, effectively extending the length of the main network another 50 meters.

Functions

The splitter inserts Praesideo units connected to a tap-off into the main network, however without the redundancy of the main loop. The maximum current supplied for each of the two tap-offs is separately selectable. External power from the local supply is used only for the tap-offs, and is not fed into the main system cable. The network splitter has two LEDs for diagnostic purposes.

Controls and indicators
- Power status LED
- Fault status LED
- Jumpers to configure tap-offs power behavior

Interconnections
- Two system network connections for main network
- Two system network connection for network tap-offs
- External power supply input

Certifications and approvals

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

Region	Certification	
Europe	CPR	EU_CPR
	CE	
	CE	COC
	CE	CertAlarm
	CE	DOP
	GL	

Parts included

Quantity	Component
1	PRS-NSP Network Splitter
1	Mounting bracket
1	Power supply connector

Technical specifications

Electrical

Power consumption	3.9 W (network)
External power supply	
Voltage	24 to 56 VDC, 48 VDC nominal
Current	2.5 A maximum (5 A peak <2 s)

Mechanical

Dimensions (H x W x D)	
Without bracket	27 x 243 x 80 mm (1.1 x 9.6 x 3.1 in)
With bracket	34 x 243 x 84 mm (1.3 x 9.6 x 3.3 in)
Weight	0.7 kg (1.5 lb)
Mounting	Bracket (two 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)
Relative humidity	15% to 90%
Air pressure	600 to 1100 hPa

Ordering information

PRS-NSP Network Splitter
Compact unit with mounting clamp, provides
2 protected tap-off network outputs on the main
Praesideo network, powered from Praesideo network,
can accept external power supply.
Order number **PRS-NSP**