

PSP-D00039 Master and PSP-D00040 Slave RCS

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Invented for life



- ▶ Redundant network controller switch pair
- ▶ Supports redundant network connection on main loop
- ▶ Can feed power from an external supply to the network
- ▶ Indicators for power and fault status

The PSP-D00039 Master and PSP-D00040 Slave Redundant network Controller Switch (RCS) units are special versions of the PRS-NSP network splitter, mechanically and electronically identical to the network splitter, but with different firmware to establish an automatic switch-over from a main to a spare network controller.

Functions

The PSP-D00039 Master and PSP-D00040 Slave RCS units and two normal network controllers create a redundant controller solution for increased system reliability in situations where the network controllers are more exposed to risks (ships, heavy industry). See application note “Redundant Network Controller” for installation instructions.

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 connections to connect to both network controllers
- 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 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	PSP-D00039 Master or PSP-D00040 Slave RCS
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 °C to +55 °C (+23 °F to +131 °F)
Storage temperature	-20 °C to +70 °C (-4 °F to +158 °F)
Relative humidity	15% to 90%
Air pressure	600 to 1100 hPa

Ordering information

PSP-D00039 RCS Master

Compact unit with mounting clamp, used with PRS-D00040 for selecting between 2 network controllers in a dual-redundant configuration.
Order number **PSP-D00039**

PSP-D00040 RCS Slave

Compact unit with mounting clamp, used with PRS-D00039 for selecting between 2 network controllers in a dual-redundant configuration.
Order number **PSP-D00040**

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**

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