

# PSP-D00039 Master and PSP-D00040 Slave RCS

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- ▶ 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)
<b>External power supply</b>	
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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