

# OSW-3155

## Optical switch



### Description:

**OSW-3155** is an optical switch destined to provide optical signal continuity. This is achieved by means of reception and analysis of two optical signals from two independent optical routes. Dropping the optical power of the main route below a certain threshold causes automatic switching to the backup route.

### Features:

- **Microprocessor control;**
- **Precise optical power monitoring in the range -15 ÷ +21 dBm;**
- **Switching optical power up to 500 mW (26 dBm) (option **HP**);**
- **Audible and light indication;**
- **SNMP compatible Ethernet module providing real time monitoring and control;**
- **Standard 1U 19" deck.**

**Technical specification:**

**Optical parameters:**

Wavelength	1200 ÷ 1600 nm
Attenuation	≤ 1.2 dB
Switching time	≤ 8 ms
Optical return loss	≥ 55 dB
Optical input power	-15 ÷ +21 dB (option <b>HP</b> up to 26 dBm)
Optical connector	SC/APC
Optical switch life	≥ 10 000 000 cycles

**Miscellaneous:**

Power supply	85 ÷ 264 VAC
Power consumption	≤ 0.75 W (2.5 W with Ethernet module)
Ambient temperature range	-5 ÷ +50°C
Index of protection	IP51
Dimensions (L x W x H):	483 x 310 x 51 mm
Weight	3 kg

**Block diagram:**

