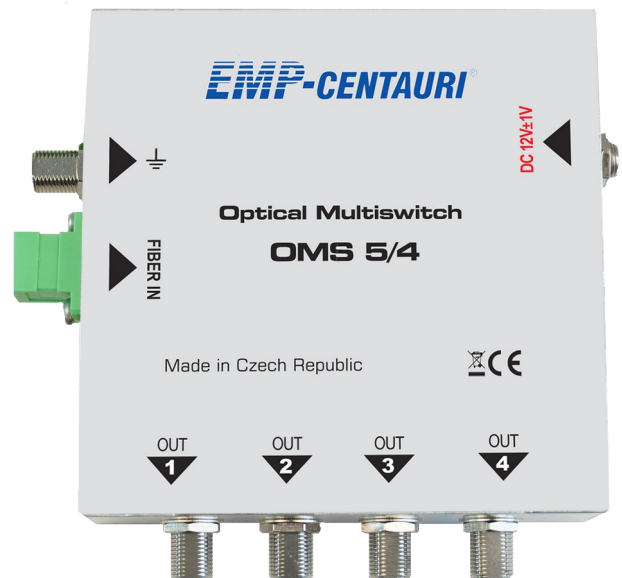


Brief description

Optical multiswitch system to receive complete TV signals of one satellite via single optical link. The optical multiswitch is a device with integrated optical receiver and multiswitch in one common housing. It is equipped with just one input for connecting of single mode optical cable from optical transmitter output. The complete TV signals of one satellite and terrestrial TV are received from the optical transmitter via the SC/APC optical input. The subscriber coaxial outputs are made of 75 ohm F connectors. The optical multiswitch is offered with 4 subscriber outputs for direct connection of satellite set top boxes.



Technical data

Parameter	Value
Inputs	1 optical (SC/APC), single mode
Optical wavelengths	1270, 1290, 1330, 1350nm
Outputs	4 x F-connector (4 satellite polarities + terrestrial)
Outputs – frequency range	SAT 950 – 2150 MHz, TERR 40 – 862 MHz
Optical input power	-20 +5 dBm
Output signal level range	+58 +95dBμV
Compatible optical transmitter	OT5/1FEC-4
Maximum number of optical splits between OT5/1FEC-4 and OMS5/4	64
Current consumption	80mA (12 V DC)
Dimensions (w,d,h)	11,0 x 11,0 x 3,0 cm
Operating temperature range	-25 ~ +60 °C
Housing material	Aluminium
RF Signal level performance based on optical link configuration	
	Recommended input RF level of OT5/1FEC-4:
	min. max. RF gain / loss
Transmitter – Optical multiswitch, direct connection	45 dBuV 85 dBuV 15 dB (gain)
Transmitter – 2way splitter (PLC) – Optical multiswitch	50 dBuV 85 dBuV 4 dB (gain)
Transmitter – 4way splitter (PLC) – Optical multiswitch	55 dBuV 85 dBuV -2 dB (loss)
Transmitter – 8way splitter (PLC) – Optical multiswitch	60 dBuV 85 dBuV -8 dB (loss)
Transmitter – 16way splitter (PLC) – Optical multiswitch	65 dBuV 85 dBuV -14 dB (loss)
Transmitter – 32way splitter (PLC) – Optical multiswitch	70 dBuV 85 dBuV -20 dB (loss)
Transmitter – 64way splitter (PLC) – Optical multiswitch	75 dBuV 85 dBuV -25 dB (loss)

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