



## OSVC 01 BFOC

Industrial Networking:FiberINTERFACES:Video:Composite Video Transmitters/Receivers

### Product description

Description	composite video transmitter 30 MHz; can be combined with the receivers OEV 052 BFOC, OEV 052-E BFOC, OEV 801-E ..., ORVC G1 BFOC
Port type and quantity	1 x electrical: BNC socket 1 x optical: BFOC 2.5 (STR) socket
Type	OSVC 01 BFOC
Order No.	933 835-021

### Electrical interface

Signal type	composite
Input voltage	1 Vpp
Input resistance	75 Ohm
Differential amplification	< 10%
Differential phase	typ. 3.5°
Upper limiting frequency (-3 dB)	30 MHz

### Optical interface

Wavelength	860 nm
Launchable optical power in multi-mode fiber (MM) 50/125	>14 µWpp, -18.5 dBm
Launchable optical power in multi-mode fiber (MM) 62.5/125	>20 µWpp, -17 dBm
Laser protection class	1 according to DIN EN 60825

### More Interfaces

Power supply	M8 plug according to IEC 947-5-2; 4-pin, with wire colour coding according to EN 50044.
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### Network size - length of cable

Multimode fiber (MM) 50/125 µm	3200 m
	12.5 dB link budget, A = 3 dB/km, 3 dB reserve with OEV 801-E ...
	1200 m
Multimode fiber (MM) 62.5/125 µm	6,5 dB link budget, A = 3 dB/km, 3 dB reserve with ORVC G1 BFOC, OEV 052 BFOC, OEV 052-E BFOC
	3300 m
	14 dB link budget, A = 3.5 dB/km, 3 dB reserve with OEV 801-E ...
	1400 m
	8 dB link budget, A = 3.5 dB/km, 3 dB reserve with ORVC G1 BFOC, OEV 052 BFOC, OEV 052-E BFOC

### Power requirements

Operating voltage	+5 VDC or 8 ... 15 VAC/VDC any polarity
Current consumption	DC: 80 mA, AC: 140 mA
Power consumption	1.2 W

### Ambient conditions

Operating temperature	-20 °C to +50 °C
Storage/transport temperature	-20 °C to +70 °C
Relative humidity (non-condensing)	10% to 90%

### Mechanical construction

Mounting	miniature in-line housing
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Dimensions (W x H x D)	25.4 mm x 25.4 mm x 76.2 mm (1" x 1" x 3")
Weight	135 g
Protection class	IP 40
<b>EMC interference immunity</b>	
EN 61000-4-2 electrostatic discharge (ESD)	contact discharge: 4 kV, air discharge: 8 kV
EN 61000-4-3 electromagnetic field	10 V/m (80 - 1000 MHz)
EN 61000-4-4 fast transients (burst)	power line: 2 kV, data line: 1 kV
EN 61000-4-5 surge voltage	power line: 1 kV (line/line)
<b>EMC emitted immunity</b>	
EN 55022	EN 55022 limit class B
<b>Scope of delivery and accessories</b>	
Scope of delivery	ready-to-connect transmitter, operating instructions
Accessories to order separately	plug-in power supply PSW 5-24