



Fig. 13/33 Connector modules/adapters 7XV5101-3C

### Description

#### Connector modules 7XV5101

Optical connection of protection relays with an electrical (non-isolated) RS232 interface, e.g. to a star coupler, for centralized control is made possible with the fiber-optic RS232 connector modules.

Thus, further devices such as PCs or notebooks, modems or serial data switches can be effectively protected against electromagnetic interference. An appropriate connector module is available for each of the above-mentioned applications. These fiber-optic RS232 connector modules are housed in a SUB-D plug casing and can be directly plugged into the respective interfaces of the pertaining devices. No further settings are required. In its normal position, the optical interface is set to steady light OFF. Data transmission is fully duplex and transparent. The optical interface with FSMA connectors has an operational wavelength of 820 nm and can reach distances of up to 1500 m with 62.5/125  $\mu\text{m}$  multi-mode FO cables.

# Accessories/7XV5101

## Technical data, selection and ordering data

Technical data	
<b>Housing</b>	7XV5101- 3C
Plastics, metal-plated	■
Dimensions 72 × 32 × 17 mm	■
Via external keyboard connector located at the notebook	■
<b>Electrical interfaces</b>	
Bridge contact 7 – 8, 1 – 4 – 6 9-pin	■
<b>Optical interfaces</b>	
FSMA connector (screw-type) T = transmit, R = receive	■
Optical power 27 μW (-15.7 dBm) <sup>1)</sup>	■
Sensitivity 1 μW (-30 dBm) <sup>1)</sup>	■
Optical budget 7 dB (+3 dB backup) <sup>1)</sup>	■
Wavelength 850 nm	■
Transmission range 1500 m (with 62.5 μm multi-mode FO cable) 800 m (with 50 μm multi-mode FO cable)	■
1) Valid for 62.5 μm FO cable.	

Selection and ordering data	
Description	Order No.
7XV5101 fiber-optic connector module 820 nm – RS232	7XV5101-3C
9-pin female connector for notebook	