# Product information

**OZDV 2451 G**

**Fiber Interfaces:** LWL converter for serial signals: OZDV 2451 G


**Name**: OZDV 2451 G

Interface converter electrical/optical for V.24; power supply through data signal; for quartz glass FO; for plugging onto the Sub-D socket provided on the terminal or mounting onto a DIN rail (with DIN rail adapter accessories)

### Delivery informations

**Availability**: available

**Product description**: interface converter electrical/optical for V.24; power supply through data signal; for quartz glass FO; for plugging onto the Sub-D socket provided on the terminal or mounting onto a DIN rail (with DIN rail adapter accessories)

**Port type and quantity**: 1 electrical port: 25-pin Sub-D connector, male; 1 optical port: 2 sockets BFQF 2.5 (STR)

**Setting possibilities**: DTE- or DCE operating mode; external voltage supply via pin 11 or internally from the data signal; shield ground galvanically connected or not connected to signal ground

**Type**: OZDV 2451 G

**Order No.**: 943 299-021

### Electrical interface

**Signal type**: V.24 (RS 232 D) interface level

**Bit rate**: DC to 20 kbit/s (DC coupling)

**Bit error frequency**: < 10^-9

**Terminal assignment data**

- pin 1: PGND; pin 7: GND; pin 11: Vcc; pin 4+5 and pin 6+8+20 bridged
- DTE operation: pin 2 TxD, pin 3 RxD
- DCE operation: pin 2 RxD, pin 3 TxD

### Optical interface

**Wavelength**: 860 nm

### More Interfaces

**Power supply**

- from the data signal (electrical interface) or 25-pin Sub-D connector (pin 11)

**Network size - length of cable**

- Single mode fiber (SM) 6/125 µm
- Multimode fiber (MM) 50/125 µm: 0 - 1500 m 7.5 dB link budget, $A = 3.0$ dB/km, 3 dB reserve
- Multimode fiber (MM) 62.5/125 µm: 0 - 2000 m 10 dB link budget, $A = 3.5$ dB/km, 3 dB reserve
- Multimode fiber HCS (MM) 200/230 µm
- Multimode fiber POF (MM) 980/1000 µm

**Power requirements**

- Operating voltage: no external power supply required; with supply via pin 11: -20 V ... -5 V or +5 V ... +20 V
- Current consumption: 3.3 mA (max. 3.8 mA) via data signal
- Power consumption: 20 mW at 4.5 V
- Operating temperature: 0 °C to +50 °C
- Storage/transport temperature: -20 °C to +70 °C
- Relative humidity: 10% to 90%

**Mechanical construction**

- Dimensions (W x H x D): 56.5 x 18 x 78 mm
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<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
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<tbody>
<tr>
<td>Mounting</td>
<td>plugging onto the terminal unit</td>
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<tr>
<td>Weight</td>
<td>110 g</td>
</tr>
<tr>
<td>Protection class</td>
<td>IP 40</td>
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<tr>
<td>Housing material</td>
<td>die-cast zinc</td>
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<tr>
<td>Approvals</td>
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<tr>
<td>Issued or requested approvals</td>
<td>C-Tick</td>
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</tbody>
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**Scope of delivery and accessories**

- **Scope of delivery**: device, operating instructions
- **Accessories to order separately**: DIN rail adapter OZDV HA

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For more information please contact:

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