




## Product information OZDV 2451 G

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

<https://www.e-catalog.beldensolutions.com:443/link/57078-57141-57135-38303/en/conf/uisstate>

|   |   |
|---|---|
| <b>Name</b>                                 | 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) |
| <b>Delivery informations</b>                |   |
| <b>Availability</b>                         | available   |
| <b>Product description</b>                  |   |
| <b>Description</b>                          | 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) |
| <b>Port type and quantity</b>               | 1 electrical port: 25-pin Sub-D connector, male;<br>1 optical port: 2 sockets BFOC 2.5 (STR)  |
| <b>Setting possibilities</b>                | DTE- or DCE operating mode<br>external voltage supply via pin 11 or internally from the data signal<br>shield ground galvanically connected or not connected to signal ground   |
| <b>Type</b>                                 | OZDV 2451 G   |
| <b>Order No.</b>                            | 943 299-021   |
| <b>Electrical interface</b>                 |   |
| <b>Signal type</b>                          | V.24 (RS 232 D) interface level   |
| <b>Bit rate</b>                             | DC to 20 kbit/s (DC coupling)   |
| <b>Bit error frequency</b>                  | < 10 <sup>-9</sup>  |
| <b>Terminal assignment data</b>             | pin 1: PGND; pin 7: GND; pin 11: Vcc; pin 4+5 and pin 6+8+20 bridged<br>DTE operation: pin 2 TxD, pin 3 RxD<br>DCE operation: pin 2 RxD, pin 3 TxD  |
| <b>Optical interface</b>                    |   |
| <b>Wavelength</b>                           | 860 nm  |
| <b>More Interfaces</b>                      |   |
| <b>Power supply</b>                         | from the data signal (electrical interface) or 25-pin Sub-D connector (pin 11)  |
| <b>Network size - length of cable</b>       |   |
| <b>Single mode fiber (SM) 9/125 µm</b>      | -   |
| <b>Multimode fiber (MM) 50/125 µm</b>       | 0 - 1500 m<br>7.5 dB link budget, A = 3.0 dB/km, 3 dB reserve   |
| <b>Multimode fiber (MM) 62.5/125 µm</b>     | 0 - 2000 m<br>10 dB link budget, A = 3.5 dB/km, 3 dB reserve  |
| <b>Multimode fiber HCS (MM) 200/230 µm</b>  | -   |
| <b>Multimode fiber POF (MM) 980/1000 µm</b> | -   |
| <b>Power requirements</b>                   |   |
| <b>Operating voltage</b>                    | no external power supply required;<br>with supply via pin 11: -20 V ... -5 V or +5 V ... +20 V  |
| <b>Current consumption</b>                  | 3.3 mA (max. 3.8 mA) via data signal  |
| <b>Power consumption</b>                    | 20 mW at 4.5 V  |
| <b>Ambient conditions</b>                   |   |
| <b>Operating temperature</b>                | 0 °C to +50 °C  |
| <b>Storage/transport temperature</b>        | -20 °C to +70 °C  |
| <b>Relative humidity</b>                    | 10% to 90%  |
| <b>Mechanical construction</b>              |   |
| <b>Dimensions (W x H x D)</b>               | 56.5 x 18 x 76 mm   |



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

<https://www.e-catalog.beldensolutions.com:443/link/57078-57141-57135-38303/en/conf/ui/state>

|  |                                 |
|--|---------------------------------|
| <b>Mounting</b>                          | plugging onto the terminal unit |
| <b>Weight</b>                            | 110 g                           |
| <b>Protection class</b>                  | IP 40                           |
| <b>Housing material</b>                  | die-cast zink                   |
| <b>Approvals</b>                         |                                 |
| <b>Issued or requested approvals</b>     | C-Tick                          |
| <b>Scope of delivery and accessories</b> |                                 |
| <b>Scope of delivery</b>                 | device, operating instructions  |
| <b>Accessories to order separately</b>   | DIN rail adapter OZDV HA        |

For more information please contact:

**Hirschmann Automation and Control GmbH**

Stuttgarter Strasse 45-51

72654 Neckartenzlingen

Germany

Phone: +49 7127/14-1809

E-Mail: [inet-sales@belden.com](mailto:inet-sales@belden.com)

The information published in the websites has been compiled as carefully as possible. It is subject to alteration without notice in technical as well as in price-related/commercial respect. The complete information and data were available on user documentation. Mandatory information can only be obtained by a concrete query.