




## Product information OZDV 2451 G

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

<http://www.e-catalog.beldensolutions.com/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; 1 optical port: 2 sockets BFOC 2.5 (STR)
<b>Setting possibilities</b>	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
<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 DTE operation: pin 2 TxD, pin 3 RxD 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 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 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; 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



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<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 zinc
<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

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