



WESTERMO

Westermo SLC20-DDM SFP module for single-mode fibre

Product code 41072 · Fire alarm systems > Control equipment

Single-mode fibre SFP transceiver (100 Mbit/s) for connecting the ODW-730-F1 fibre modem to single-mode fibre over a link distance of approx. 20 km.

- Single-mode fibre 9/125 µm, duplex LC connector
- 100 Mbit/s, wavelength 1310 nm
- Indicative range 20 km, power budget 24 dB
- DDM diagnostics: temperature, voltage, TX and RX power
- Operating temperature -40...+85 °C

Product description

Westermo SLC20-DDM is a 100 Mbit/s SFP (Small Form-factor Pluggable) transceiver for single-mode fibre with a 9 µm core. The module is installed in the SFP slot of the ODW-730-F1 fibre modem when, for example, the RS-422 link of a ring network of EBL512 G3 fire alarm control panels is extended over single-mode fibre. The ODW-700 series modems use Westermo-approved SFP modules.

Technical features

SLC20-DDM is the shortest-range model in the series: the wavelength is 1310 nm and the indicative range approx. 20 km. The transmit power is -15...-8 dBm and the receiver sensitivity -32 dBm. The connector is duplex LC and the module latch is blue. The DDM function (Digital Diagnostic Monitoring) can be used to monitor the module's temperature, voltage, bias current, and transmit and receive power; the manufacturer describes the monitoring as integrated into devices running the WeOS operating system.

Operating environment and installation

The module has been tested for demanding industrial conditions: the operating temperature is -40...+85 °C and the humidity 5-95% RH. It meets the railway EMC standard EN 50121-4 and the laser safety standards EN/IEC 60825-1 and -2. Installation and handling instructions are given in Westermo's user guide for SFP modules. For longer link distances, the same series has 40, 80 and 120 km models.

Technical data

Product code	41072
Manufacturer	Westermo
Product group	Fire alarm systems > Control equipment
Dimensions	14 × 13 × 57 mm (W × H × D)
Operating temperature	-40...+85 °C
Humidity	5-95% RH
Connection	Duplex LC
Fibre type	Single-mode fibre 9/125 µm

Wavelength	1310 nm
Data rate	100 Mbit/s
Transmit power	-15...-8 dBm
Receiver sensitivity	-32 dBm
Power budget	24 dB
Range	Approx. 20 km (indicative)
Diagnostics	DDM (temperature, voltage, bias current, TX/RX power)
Standards	EN 50121-4, EN/IEC 60825-1, EN/IEC 60825-2, EN/IEC/UL 62368-1
Manufacturer's code	Westermo 1100-0532

Documents

The manufacturer's original documents can be downloaded from the product page (QR code at the top of this sheet).

Technical datasheet: Westermo SLC20-DDM SFP module for single-mode fibre

Installation guide (series): Westermo SFP transceivers

Request a quote or ask for more information

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Up-to-date information and documents: pap.fi/en/tuote/westermo-slc20-ddm-sfp-moduuli-yksimuoto-kuidulle/