

OLMG12 Single-mode Fiber Optic



Article Overview

The Siemens PROFIBUS OLM/G12 supports single-mode fiber optic cables (9/125 μ m or 10/125 μ m) via BFOC interfaces for long-distance industrial PROFIBUS networks.

Overview

The OLM/G12 (Optical Link Module) is designed to convert electrical PROFIBUS RS-485 signals into optical signals and vice versa, enabling reliable communication over long distances in industrial environments . It supports bus, star, and redundant ring topologies, making it suitable for applications such as traffic control systems, road tunnels, and other automation networks .

Single-mode Fiber Compatibility

- Supported fiber types: Single-mode or mono-mode glass fiber optic cables with 9/125 μ m or 10/125 μ m core/cladding .
- Connector type: BFOC (Bajonett Fiber Optic Connector), functionally compatible with ST connectors .
- Interfaces: The OLM/G12 includes 2 glass fiber optic interfaces (4 BFOC plugs) and 1 RS-485 interface for electrical connections .

Technical Specifications

- Distance capability: Up to 3000 meters with plastic fiber optic cables; single-mode fibers can achieve longer distances depending on optical power and network design .
- Data rates: Automatically detects all PROFIBUS data rates from 9.6 kbit/s to 12 M...

Article Content

SIMATIC NET PROFIBUS Optical Link Module OLM Operation Manual

Figure 5-3 View of the module from below “bus without fiber-optic link monitoring” mode so that it with optical channels 2 and 3 does

Fiber Optic Cable Types Explained

Our comprehensive guide to types of fiber optic cables. Learn all about the differences between single mode and multimode cables,

Single Mode Fiber Cable Explained

Camplex manufactures fiber optic solutions that improve and extend the performance of broadcast operations. Because the Camplex

Product Finder

The OLMs provide rapid fault localization by means of signalling contact, LED and measurement sockets. The OLM/G12-1300 with a

Data sheet 6GK1503-3CB00

Data sheet 6GK1503-3CB00 Product type designation PROFIBUS OLM/G12 V4.0
PROFIBUS OLM/G12 V4.0 OPTICAL LINK

To which PROFIBUS Optical Link Module (OLM) can you connect a

The properties of the single-mode or mono-mode glass fiber optic cable must meet the specifications of the optical

PROFIBUS OLM/G12

The OLM/G12 can be used for longer distances of up to 3000 m with plastic FO cables (62.5/125 µm). The

Optical link module

The tip of the BFOC connector must be inserted completely into the FO cable socket when using single mode fiber-optic cables. If

PROFIBUS OLM/G12 V4.0

6GK1503-3CB00 PROFIBUS OLM/G12 V4.0 PROFIBUS OLM/G12 V4.0 Optical Link
Module with 1 RS 485 and 2 glass FOC

OLM G12 Siemens | PDF | Optical Fiber | Network Topology

Optical channelsThe fiber-optic cables are connected via BFOC/2.5 connectors. Seven multicolor LEDs indicate the current

OLM G12 Single-Mode 10/125 Fiber: Why It's Incompatible (And

Confirmation: OLM G12 does not support 10/125 single-mode fiber optic cable. The optical transmitter and receiver in

Siemens OLM/G12-1300 Description And Operating Instructions

View and Download Siemens OLM/G12-1300 description and operating instructions online. Optical Link Modules. OLM/G12-1300

6GK1503-3CC00

PROFIBUS OLM/G12-1300 V4.0 optical link module with 1 RS 485 and 2 glass fiber optic cable interfaces (4 BFOC sockets), 1300

Siemens OLM/G12-1300 V4.0 Operating Instructions Manual

View and Download Siemens OLM/G12-1300 V4.0 operating instructions manual online. SIMATIC NET PROFIBUS Optical Link

PROFIBUS OLMG12-EEC V4.0 Glasfaser-Anschlussmodul

Hauptseite > Alle Sammlungen > Industrielle Kommunikation > Kommunikationstools > PROFIBUS OLMG12-EEC V4.0 Glasfaser

Siemens OLM P11 V4.0, OLM P12 V4.0, OLM G11 V4.0, OLM G12 V4

Siemens OLM V4.0 series operation manual provides detailed instructions on installation, configuration and maintenance of optical

SIMATIC NET PROFIBUS, Optical Link Module

that the tip of the BFOC connector is inserted completely into the fiber-optic cable socket when using single mode fiber-optic cables.

PROFIBUS OLM/G12-1300

The OLM/G12-1300 with a wave length of 1300 nm for long distances can be used for very long distances of up to 15 km with single

PROFIBUS OLM/G12

The profibus Product Finder is continuously updated to include the latest products and innovations in the industry, ensuring you

Description and Operating Instructions OLM/P11 SIMATIC NET

Operating mode "Line with optical fiber link monitoring and segmentation" CH3 is activated in this operating mode if S3 and S4 are in

Contact Us

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