PROFIBUS OLM/G12-EEC V3.1

Product Data Sheet

6GK1502-3CD10

Optical PROFIBUS link module

ELECTRICAL BUS PORTS	OPTICAL CHANNELS	OPTICAL SOCKETS	SUPPLY RANGE
1 x RS-485	**2**	**4 x BFOC/2.5**	**18 to 32 V DC**

Siemens 6GK1502-3CD10 is the PROFIBUS OLM/G12-EEC V3.1 optical link module. It connects one electrical RS-485 PROFIBUS segment with two glass-fiber optical channels, allowing electrical and optical portions of a distributed network to be joined in the supported topology.

01 TECHNICAL DATA

Electrical bus ports	1 x RS-485
Optical channels	2
Optical sockets	4 x BFOC/2.5
Supply range	18 to 32 V DC
Nominal supply	24 V DC
Maximum current	200 mA
Termination supply	5 V, 90 mA maximum
Maximum baud rate	12 Mbit/s
Minimum baud rate	9.6 kbit/s
Baud-rate selection	Automatic

02 ADDITIONAL PRODUCT DATA

Optical wavelength	860 nm
Multimode link distance	Up to 3000 m under specified fiber conditions
Signal contact voltage	60 V DC / 42 V AC maximum
Signal contact current	1 A maximum
Operating temperature	-20 to +60 °C

03 PRODUCT FUNCTION

The G12-EEC arrangement uses four BFOC sockets for its two optical channels and provides a signaling contact and optical signal-quality outputs. The confirmed common OLM/G12-EEC characteristics include a nominal 24 V DC supply, automatic PROFIBUS baud-rate recognition and extended operating conditions. Link distance remains dependent on the specified fiber and optical budget.

04 SYSTEM COMPATIBILITY

Use a supply within the confirmed 18 to 32 V DC common range and wire the signaling contact within its separate limits. Terminate the RS-485 segment correctly and keep electrical cable shields and enclosure bonding consistent with the installation instructions.

05 REFERENCE

Siemens PROFIBUS OLM/G12-EEC common technical characteristics and exact V3.1 assembly identification

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