

SIMATIC NET INDUSTRIAL ETHERNET OLM V2.0

# Product Data Sheet

**6GK1102-4AA00**

Industrial Ethernet optical link module

|                        |                         |                         |                    |
|------------------------|-------------------------|-------------------------|--------------------|
| OPERATING SUPPLY RANGE | TYPICAL CURRENT AT 24 V | MAXIMUM CURRENT AT 24 V | TWISTED-PAIR PORTS |
| 18 to 32 V DC SELV     | 160 mA                  | 280 mA                  | 3 ITP              |

Siemens 6GK1102-4AA00 is an OLM V2.0 optical link module for Industrial Ethernet networks. It connects industrial twisted-pair and fiber-optic segments within compatible industrial communication configurations.

## 01 VERIFIED TECHNICAL DATA

|                            |                           |
|----------------------------|---------------------------|
| Operating supply range     | 18 to 32 V DC SELV        |
| Typical current at 24 V    | 160 mA                    |
| Maximum current at 24 V    | 280 mA                    |
| Twisted-pair ports         | 3 ITP                     |
| Optical ports              | 2 BFOC                    |
| Ethernet transmission rate | 10 Mbps                   |
| Operating temperature      | 0 to +60 deg C            |
| Storage temperature        | -40 to +80 deg C          |
| Relative humidity          | 10 to 90%, non-condensing |
| Ingress protection         | IP30                      |

## ADDITIONAL PRODUCT DATA

|                                      |                                                    |
|--------------------------------------|----------------------------------------------------|
| Maximum ITP segment length           | 100 m                                              |
| 50/125 microm optical output power   | -22.0 to -16.2 dBm                                 |
| 62.5/125 microm optical output power | -19.0 to -12.4 dBm                                 |
| Minimum optical input power          | -33.0 dBm                                          |
| Maximum fiber segment length         | 2600 m at 50/125 microm; 3100 m at 62.5/125 microm |

## DOCUMENTED USE SETTINGS

Chemical Manufacturing and Process Production: Industrial Chemical Production.

Food Processing and Beverage Manufacturing: Food Manufacturing and Packaging.

Automotive Production and Component Manufacturing: Vehicle Assembly and Production.

## SYSTEM COMPATIBILITY

6GK1102-4AA00 belongs to the SIMATIC NET Industrial Ethernet OLM V2.0 family and provides the documented industrial ethernet optical link module function. Its operating supply range is 18 to 32 V DC SELV; match this characteristic to the connected equipment and the project configuration.

## PRODUCT EVIDENCE

Siemens SIMATIC NET Industrial Ethernet OLM V2.0 manufacturer documentation; applicable pages 159, 160, 161, 162, 163, 164

AMIKON PRODUCT SUPPORT

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