INDUSTRIAL ETHERNET OSM TP62

# Product Data Sheet

## 6GK1105-2AB00

Optical Ethernet switching module

| COPPER NETWORK PORTS | FIBER NETWORK PORTS | MULTIMODE FIBER SPAN | EXTERNAL DIGITAL INPUTS |
|---|---|---|---|
| **6 x RJ45, 10/100 Mbit/s** | **2 x 100 Mbit/s full-duplex BFOC** | **3000 m with specified fiber budget** | **None on 2AB00 variant** |

Siemens 6GK1105-2AB00 is the OSM TP62 Industrial Ethernet switching module with six 10/100 Mbit/s RJ45 ports and two 100 Mbit/s optical ports. BFOC fiber connections support optical bus and redundant ring arrangements, with a specified multimode link budget covering distances up to 3000 m.

## 01 TECHNICAL DATA

| | |
|---|---|
| Copper network ports | 6 x RJ45, 10/100 Mbit/s |
| Fiber network ports | 2 x 100 Mbit/s full-duplex BFOC |
| Multimode fiber span | 3000 m with specified fiber budget |
| External digital inputs | None on 2AB00 variant |
| Redundant supply inputs | 2 x 24 V DC; 18 to 32 V |
| Rated supply current | 1 A |
| Power loss | 20 W at 24 V DC |
| Alarm contact rating | 24 V DC, 100 mA maximum |
| Power and alarm connection | 6-pin removable terminal block |
| Maximum redundant ring | 50 switches for reconfiguration below 0.3 s |

Siemens Industrial Ethernet OSM/ESM Manual C79000-Z8976-C068-10; TP62 variant and common specification.

## 02 ADDITIONAL PRODUCT DATA

| | |
|---|---|
| Learned MAC addresses | 7000 maximum |
| Default address aging | 40 seconds |
| Forwarding method | Store and forward |
| Operating ambient | 0 to 60 C |
| Ingress rating | IP20 |

## 03 PRODUCT FUNCTION

This 2AB00 version has no external digital inputs. It accepts two decoupled 24 V DC sources within 18-32 V, provides a signaling contact and uses store-and-forward switching. The documented ring limit is 50 switches for a reconfiguration time below 0.3 seconds, subject to the prescribed network configuration.

## 04 SYSTEM COMPATIBILITY

Connect the decoupled 24 V supply inputs and signaling contact through the six-pin terminal. Design the ring within the documented fifty-switch limit and configure the applicable redundancy-manager role.

## 05 REFERENCE

Siemens Industrial Ethernet OSM/ESM Manual C79000-Z8976-C068-10; TP62 variant and common specification.

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