

SIMATIC ET 200AL CM4XIO-LINK

# Product Data Sheet

**6ES7147-5JD00-0BA0**

Four Port IO-Link Master

| IO-LINK PORT COUNT | SUPPORTED IO-LINK VERSIONS | IO-LINK RATES                | INPUT PROCESS DATA PER PORT |
|--------------------|----------------------------|------------------------------|-----------------------------|
| 4                  | 1.0 and 1.1                | 4.8/38.4/230 kBaud, COM1/2/3 | 32 byte                     |

Siemens 6ES7147-5JD00-0BA0 is a four port io-link master in the SIMATIC ET 200AL CM4xIO-Link range. It is used for connecting IO-Link sensors and actuators in compatible ET 200AL systems in compatible industrial automation projects.

01

## VERIFIED TECHNICAL DATA

|                                |                                    |
|--------------------------------|------------------------------------|
| IO-Link port count             | 4                                  |
| Supported IO-Link versions     | 1.0 and 1.1                        |
| IO-Link rates                  | 4.8/38.4/230 kBaud, COM1/2/3       |
| Input process data per port    | 32 byte                            |
| Output process data per port   | 32 byte                            |
| Module process-data areas      | 132 byte inputs / 128 byte outputs |
| Device parameter storage       | 2 KB per port                      |
| Unshielded IO-Link cable limit | 20 m                               |
| Electronic/load supply range   | 20.4 to 28.8 V DC                  |
| No-load electronics current    | 40 mA rated                        |

## ADDITIONAL PRODUCT DATA

|                              |                 |
|------------------------------|-----------------|
| Total encoder-supply current | 1.4 A maximum   |
| Typical power loss           | 2.6 W           |
| I/O connector type           | M12, 5-pole     |
| Enclosure protection         | IP65/IP67       |
| Operating ambient            | -30 to 55 deg C |

## DOCUMENTED USE SETTINGS

Food Processing and Beverage Production: Beverage Processing and Production.

Vehicle Manufacturing and Auto Parts Production: Automotive Manufacturing Process Control.

Packaging Production and Material Converting: Industrial Packaging Process Automation.

## SYSTEM COMPATIBILITY

Integrate 6ES7147-5JD00-0BA0 only in the documented SIMATIC ET 200AL CM4xIO-Link configuration. Match the installed interfaces and the engineered application before selecting this four port io-link master.

## PRODUCT EVIDENCE

Siemens 6ES7147-5JD00-0BA0 product technical data; pages 1, 2, 3