

SIMATIC S7-1500 DI16/DQ16 BA

# Product Data Sheet

**6ES7523-1BL00-0AA0**

Digital Input Output Module

| DIGITAL INPUT ALLOCATION | DIGITAL OUTPUT ALLOCATION | SUPPLY OPERATING RANGE         | MAXIMUM ELECTRONICS CURRENT |
|--------------------------|---------------------------|--------------------------------|-----------------------------|
| <b>16, one group</b>     | <b>16, groups of 8</b>    | <b>24 V DC, 19.2 to 28.8 V</b> | <b>30 mA</b>                |

Siemens 6ES7523-1BL00-0AA0 is a digital input output module in the SIMATIC S7-1500 DI16/DQ16 BA range. It connects sixteen digital inputs and sixteen transistor outputs to the configured automation station.

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## VERIFIED TECHNICAL DATA

|                             |                                      |
|-----------------------------|--------------------------------------|
| Digital input allocation    | 16, one group                        |
| Digital output allocation   | 16, groups of 8                      |
| Supply operating range      | 24 V DC, 19.2 to 28.8 V              |
| Maximum electronics current | 30 mA                                |
| Backplane power             | 1.1 W                                |
| Typical heat loss           | 3.45 W                               |
| Input standard              | IEC 61131 type 3                     |
| Input signal thresholds     | Zero: -30 to +5 V; one: +11 to +30 V |
| Typical input current       | 2.7 mA on state                      |
| Input filter delay          | 3 to 4 ms                            |

## ADDITIONAL PRODUCT DATA

|                           |                                       |
|---------------------------|---------------------------------------|
| Output channel rating     | 24 V DC, 0.5 A                        |
| Maximum output group load | 4 A                                   |
| Total output load         | 8 A maximum                           |
| Output response delays    | 100 micros on, 500 micros off maximum |
| Isolation test            | 707 V DC                              |

## DOCUMENTED USE SETTINGS

Automotive Manufacturing and Vehicle Component Production: Vehicle Component Manufacturing.

Industrial Manufacturing and Automated Production Processes: Industrial Component Manufacturing.

Packaging Manufacturing and Industrial Filling Production: Industrial Packaging Production.

## SYSTEM COMPATIBILITY

Match 6ES7523-1BL00-0AA0 to the accepted SIMATIC S7-1500 DI16/DQ16 BA configuration and associated parts before integration.

## PRODUCT EVIDENCE

Siemens SIMATIC S7-1500 DI16/DQ16 BA applicable manufacturer data