Interfaces and Pre-assembled cables for Siemens S7-400
Let’s connect.

As experienced experts, we support our customers and partners in the field with products, systems and services in the industrial environment of power, signal and data. We are at home in your industries and markets and know the technological challenges of tomorrow. We therefore continuously develop innovative, versatile and cost-effective solutions for your individual needs. Together, we are stabilizer in Industrial Connectivity.

We cannot guarantee that there are no mistakes in the publications or software provided by us. In the event of such errors, we try our best to quickly correct them in our printed media.

All orders are based on our general terms of delivery, which can be reviewed on the websites of our group companies where you place your order. In addition, you can also use the general terms of delivery in our printed media.

Main advantages

Wide range of Universal solutions

For PLC systems with 12 and 16 relays, the Universal solution offers the possibility of connecting digital signal cards and external relays. The interfaces are available in versions with 1 or 2 relays, and the sensors/actuators can be connected with 1, 2 or 3 wires, whichever is needed. You can also choose from a large variety of functions:

- LED indication
- Fuse
- Disconnectors
- Test points

Wide range of Relay Insulated Interfaces

The range includes passive input/output interfaces for digital and analogue signals. The interfaces are available in screw or tension clamp connection and sensors/actuators can be connected with 1, 2 or 3 wires.

Guaranteed connection

The original PLC connector is on one end of the cable and standard connectors are on the other end:

- Ribbon cable with fixing housing for digital signals and SUB-D connector for analogue signals, available in different lengths.

Universal solutions for PLC input/output cards

Aimed at reducing costs, and to save space and time in the construction of electrical cabinets, we offer effective alternatives to end-to-end cabling solutions. Weidmüller offers a wide range of interfaces and pre-assembled cables for Siemens S7-400 PLCs.

- The interfaces can be used as an interconnection element between the control and the process, providing different functions such as LED indicators, fuses, disconnectors, and relays.

- The pre-assembled cables are supplied with the manufacturer's own connector at one end and are available in different lengths.

Product Finder and automatic selection guides:

To help you choose the right products for your application, Weidmüller offers this Product Finder with a selection table which can be found on the following pages. In addition, on our website, we have an automatic selection guide, using intuitive software that can help you to choose the appropriate interface cable for your Input/Output cards. This can be found at www.weidmueller.com.

Wide range of Passive Interfaces

The range includes passive input/output interfaces for digital and analogue signals. The interfaces are available in screw or tension clamp connection and sensors/actuators can be connected with 1, 2 or 3 wires.

Options include:

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PLC system cabling

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Selection table for digital input/output cards with direct wiring interfaces

<table>
<thead>
<tr>
<th>Manufacturer code</th>
<th>Number/Type of channels</th>
<th>Order No.</th>
<th>Quantity</th>
<th>Type</th>
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</tbody>
</table>

Manufacturer code numbers
1. Manufacturer code Number/Type of channels Order No. Quantity Type Quantity Type Quantity Type Quantity
2. Quantity: 1 unit (by card)
3. For example: 6ES7421-1BL00-0AA0
4. Selection table for digital input/output cards with direct wiring interfaces
5. Note
6. For example: 6ES7431-0HH00-0AB0 16 AI
7. 6ES7422-1HH00-0AA0 16 DO
8. 6ES7422-1FH00-0AA0 16 DO
9. 6ES7422-1BL00-0AA0 32 DO
10. 6ES7421-7DH00-0AB0 16 DI
11. 6ES7421-7BH01-0AB0 16 DI
12. 6ES7421-1FH20-0AA0 16 DI
13. 6ES7421-1BL00-0AA0 32 DI
14. Selection table for digital output cards with isolated interfaces
15. 6ES7431-1KF00-0AB0 8 AI, current applications
16. 6ES7422-1BF00-0AA0 16 AO, common mode voltage applications
17. Selection table for analog input/output cards with direct wiring interfaces
18. Selection table for digital input cards with isolated interfaces
19. Selection table for digital output cards with isolated interfaces

Interfaces and Pre-assembled cables for SIEMENS – S7-400

The following information helps you choose the pre-assembled cable configurations.

1. Select 10-120000 for the corresponding types.
2. 20-pole ribbon
3. 12-poles RSV
4. 8 channels
5. 16 channels
6. 32 channels
7. 1 wire
8. 2 wires
9. 3 wires
10. Connection
11. 37-pole male, 1 to 1
12. 25-pole male, 1 to 1
13. 15-pole male, 1 to 1
14. Test point and connector
15. 37-pole male, connection
16. 25-pole male, connection
17. Sub-D connector
18. Screw T. clamp
19. Disconnector
20. Screws T. clamp
21. Springs T. clamp
22. +24 V DC Input
23. +24 V DC Input