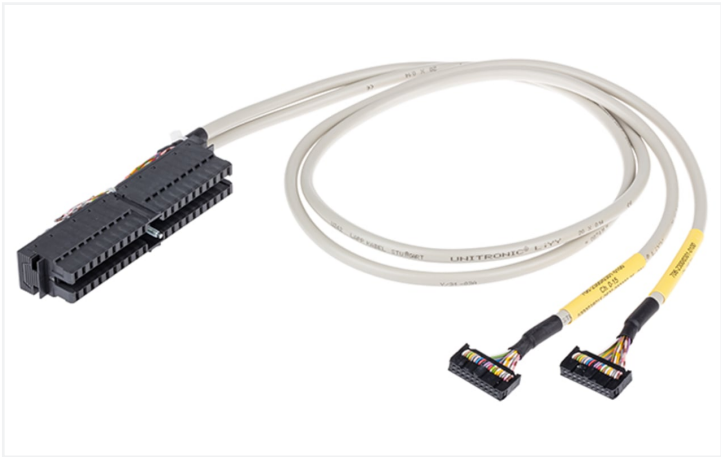


**Data Sheet | Item Number: 706-2300/301-300**  
System cable; for Siemens S7-300; 2 x 16 digital inputs or outputs; Length: 3 m;  
Conductor cross-section: 0.14 mm<sup>2</sup>  
<https://www.wago.com/706-2300/301-300>



Similar to illustration



| Color coding<br>for 24-pin connector<br>Data 1 Channel 0-15 |        | 24-pin for<br>connector |        | 24-pin for<br>connector |        |
|-------------------------------------------------------------|--------|-------------------------|--------|-------------------------|--------|
| Pin                                                         | Wiring | Pin                     | Wiring | Pin                     | Signal |
| 1                                                           | 0.0    | 2                       | 0      |                         |        |
| 3                                                           | 0.1    | 3                       | 1      |                         |        |
| 4                                                           | 0.2    | 4                       | 2      |                         |        |
| 5                                                           | 0.3    | 5                       | 3      |                         |        |
| 6                                                           | 0.4    | 6                       | 4      |                         |        |
| 7                                                           | 0.5    | 7                       | 5      |                         |        |
| 8                                                           | 0.6    | 8                       | 6      |                         |        |
| 9                                                           | 0.7    | 9                       | 7      |                         |        |
| 10                                                          | 0.8    | 10                      | 8      |                         |        |
| 11                                                          | 0.9    | 11                      | 9      |                         |        |
| 12                                                          | 1.0    | 12                      | 10     |                         |        |
| 13                                                          | 1.1    | 13                      | 11     |                         |        |
| 14                                                          | 1.2    | 14                      | 12     |                         |        |
| 15                                                          | 1.3    | 15                      | 13     |                         |        |
| 16                                                          | 1.4    | 16                      | 14     |                         |        |
| 17                                                          | 1.5    | 17                      | 15     |                         |        |
| 18                                                          | 1.6    | 18                      | 16     |                         |        |
| 19                                                          | 1.7    | 19                      | 17     |                         |        |
| 20                                                          | 1.8    | 20                      | 18     |                         |        |
| 21                                                          | 1.9    | 21                      | 19     |                         |        |
| 22                                                          | 2.0    | 22                      | 20     |                         |        |
| 23                                                          | 2.1    | 23                      | 21     |                         |        |
| 24                                                          | 2.2    | 24                      | 22     |                         |        |
| Color coding<br>for 24-pin connector<br>Data 2 Channel 0-15 |        | 24-pin for<br>connector |        | 24-pin for<br>connector |        |
| Pin                                                         | Wiring | Pin                     | Wiring | Pin                     | Signal |
| 1                                                           | 0.0    | 22                      | 0      |                         |        |
| 2                                                           | 0.1    | 23                      | 1      |                         |        |
| 3                                                           | 0.2    | 24                      | 2      |                         |        |
| 4                                                           | 0.3    | 25                      | 3      |                         |        |
| 5                                                           | 0.4    | 26                      | 4      |                         |        |
| 6                                                           | 0.5    | 27                      | 5      |                         |        |
| 7                                                           | 0.6    | 28                      | 6      |                         |        |
| 8                                                           | 0.7    | 29                      | 7      |                         |        |
| 9                                                           | 0.8    | 30                      | 8      |                         |        |
| 10                                                          | 0.9    | 31                      | 9      |                         |        |
| 11                                                          | 1.0    | 32                      | 10     |                         |        |
| 12                                                          | 1.1    | 33                      | 11     |                         |        |
| 13                                                          | 1.2    | 34                      | 12     |                         |        |
| 14                                                          | 1.3    | 35                      | 13     |                         |        |
| 15                                                          | 1.4    | 36                      | 14     |                         |        |
| 16                                                          | 1.5    | 37                      | 15     |                         |        |
| 17                                                          | 1.6    | 38                      | 16     |                         |        |
| 18                                                          | 1.7    | 39                      | 17     |                         |        |
| 19                                                          | 1.8    | 40                      | 18     |                         |        |
| 20                                                          | 1.9    | 41                      | 19     |                         |        |
| 21                                                          | 2.0    | 42                      | 20     |                         |        |
| 22                                                          | 2.1    | 43                      | 21     |                         |        |
| 23                                                          | 2.2    | 44                      | 22     |                         |        |
| 24                                                          | 2.3    | 45                      | 23     |                         |        |
| 25                                                          | 2.4    | 46                      | 24     |                         |        |

Notes

Note

When using more than 10 wires, the maximum current per wire must be reduced to 0.7 A.

| Electrical data         |                                  |
|-------------------------|----------------------------------|
| Inputs/outputs          | 2 x 16 digital inputs or outputs |
| Operating voltage       | ≤ 35 VAC/VDC                     |
| Current per wire (max.) | 1 A                              |

Compatibility



Connection data

|            |                   |                     |                                                          |
|------------|-------------------|---------------------|----------------------------------------------------------|
| Cable type | LiYY              | Connection 1        |                                                          |
| Color code | per DIN VDE 47100 | Pluggable connector | Pluggable connector per DIN 41651; fe-<br>male connector |
|            |                   | Connection type 1   | System                                                   |
|            |                   | Wire cross-section  | 0.14 mm²                                                 |

|                 |                                                          |
|-----------------|----------------------------------------------------------|
| Connection 2    |                                                          |
| Connector 2     | Pluggable connector per DIN 41651; fe-<br>male connector |
| Pole number 2   | 20                                                       |
| Connection type | System                                                   |

|                 |                             |
|-----------------|-----------------------------|
| Connection 3    |                             |
| Connector 3     | Siemens 6ES7-392-1BM00-0AA0 |
| Pole number 3   | 20                          |
| Connection type | System                      |

Physical data

|              |     |
|--------------|-----|
| Cable length | 3 m |
|--------------|-----|

Material data

|           |       |
|-----------|-------|
| Fire load | 0 MJ  |
| Weight    | 561 g |

Environmental requirements

|                                 |                |
|---------------------------------|----------------|
| Ambient temperature (operation) | -20 ... +50 °C |
|---------------------------------|----------------|

|                       |                  |
|-----------------------|------------------|
| Commercial data       |                  |
| Product Group         | 30 (WAGO France) |
| eCl@ss 10.0           | 27-24-22-20      |
| eCl@ss 9.0            | 27-24-22-20      |
| ETIM 9.0              | EC000237         |
| ETIM 8.0              | EC000237         |
| PU (SPU)              | 1 pcs            |
| Packaging type        | not specified    |
| Country of origin     | FR               |
| GTIN                  | 4045454873905    |
| Customs tariff number | 85444290900      |

Environmental Product Compliance

|                        |                        |
|------------------------|------------------------|
| RoHS Compliance Status | Compliant,No Exemption |
|------------------------|------------------------|



Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance  
706-2300/301-300

↓

| Documentation                       |                  |                                |                 |
|-------------------------------------|------------------|--------------------------------|-----------------|
| System Description                  |                  | Bid Text                       |                 |
| WAGO System Wiring, Selection Guide | pdf<br>533.15 KB | 706-2300/301-300<br>09.02.2015 | doc<br>25.50 KB |
|                                     | ↓                | 706-2300/301-300<br>19.02.2019 | xml<br>3.15 KB  |
|                                     |                  |                                | ↓               |

1 Compatible Products

1.1 Optional Accessories

1.1.1 Interface module

1.1.1.1 Interface module



**Item No.: 704-2004**  
Interface module for system wiring; Plug-gable connector per DIN 41651; Male connector; 20-pole; 16-channel digital input or output; 1-wire connection; in mounting carrier



**Item No.: 704-2024**  
Interface module for system wiring; Plug-gable connector per DIN 41651; Male connector; 20-pole; 16-channel digital input or output; 2-wire connection; in mounting carrier



**Item No.: 704-2044**  
Interface module for system wiring; Plug-gable connector per DIN 41651; Male connector; 20-pole; 16-channel digital input or output; 2-wire connection; in mounting carrier



**Item No.: 704-2054**  
Interface module for system wiring; Plug-gable connector per DIN 41651; Male connector; 20-pole; 16-channel digital input or output; 3-wire connection; in mounting carrier



**Item No.: 704-5004**  
Interface module for system wiring; Plug-gable connector per DIN 41651; Male connector; 20-pole; 16-channel relay output; 1 changeover contact; Double-deck PCB terminal blocks; in mounting carrier; 2,50 mm<sup>2</sup>



**Item No.: 704-5014**  
Interface module for system wiring; Plug-gable connector per DIN 41651; Male connector; 20-pole; 16-channel relay output; 1 changeover contact; Double-deck PCB terminal blocks; without relay; in mounting carrier; 2,50 mm<sup>2</sup>



**Item No.: 704-5034**  
Interface module for system wiring; Plug-gable connector per DIN 41651; Male connector; 20-pole; 16-channel relay output; 1 changeover contact; PCB terminal blocks; with output fuse; in mounting carrier; 2,50 mm<sup>2</sup>



**Item No.: 704-5024**  
Interface module for system wiring; Plug-gable connector per DIN 41651; Male connector; 20-pole; 16-channel relay output; 1 changeover contact; Triple-deck PCB terminal blocks; in mounting carrier; 2,50 mm<sup>2</sup>



**Item No.: 704-5044**  
Interface module for system wiring; Plug-gable connector per DIN 41651; Male connector; 20-pole; 16-channel relay output; 1 changeover contact; Triple-deck PCB terminal blocks; with manual operation; in mounting carrier; 2,50 mm<sup>2</sup>



**Item No.: 704-5054**  
Interface module for system wiring; Plug-gable connector per DIN 41651; Male connector; 20-pole; 16-channel relay output; 1 make contact; with disconnect terminal block and fuse; in mounting carrier; 2,50 mm<sup>2</sup>



**Item No.: 704-5074**  
Interface module for system wiring; Plug-gable connector per DIN 41651; Male connector; 20-pole; 16-channel relay output; 1 make contact; with disconnect terminal block and fuse; in mounting carrier; 2,50 mm<sup>2</sup>



**Item No.: 704-5064**  
Interface module for system wiring; Plug-gable connector per DIN 41651; Male connector; 20-pole; 16-channel relay output; 2 changeover contacts; Double-deck PCB terminal blocks; in mounting carrier; 2,50 mm<sup>2</sup>



**Item No.: 289-614**  
Interface module; Pluggable connector per DIN 41651; 20-pole; Triple-deck PCB terminal blocks; in mounting carrier; 2,50 mm<sup>2</sup>

Subject to changes. Please also observe the further product documentation!

Current addresses can be found at: [www.wago.com](https://www.wago.com)