

Data Sheet | Item Number: 706-2300/301-200

System cable; for Siemens S7-300; 2 x 16 digital inputs or outputs; Length: 2 m;

Conductor cross-section: 0.14 mm²

<https://www.wago.com/706-2300/301-200>



Similar to illustration



| Color coding | Wire number | Pin number | Wire gauge | Pin gauge | Pin Signal |
|-------------------------|-------------|------------|------------|-----------|------------|
| DC 24V DC 4-20mA | | | | | |
| Data 1 Channel 0-15 | | | | | |
| White | 1 | 0.8 | 2 | 0 | |
| Brown | 2 | 0.8 | 2 | 1 | |
| Green | 3 | 0.8 | 4 | 2 | |
| Yellow | 4 | 0.8 | 5 | 3 | |
| Blue | 5 | 0.8 | 6 | 4 | |
| Pink | 6 | 0.8 | 7 | 5 | |
| Black | 7 | 0.8 | 8 | 6 | |
| Red | 8 | 0.7 | 8 | 7 | |
| Black | 9 | 1.4 | 13 | 0 | |
| Black | 10 | 1.1 | 13 | 1 | |
| Dark Pink | 11 | 1.2 | 14 | 2 | |
| Red-Black | 12 | 1.2 | 16 | 3 | |
| White-Green | 13 | 1.4 | 16 | 4 | |
| Green-Green | 14 | 1.5 | 17 | 5 | |
| White-White | 15 | 1.6 | 18 | 6 | |
| Natural-Brown | 16 | 1.7 | 19 | 7 | |
| Black-Black | 17 | 1.9 | 20 | 8 | |
| Dark-Black | 18 | 0.9 | 10 | 14 | |
| White-Blue | 19 | 1.2 | 17 | 15 | |
| Black-Black | 20 | 1.0 | 20 | 16 | |
| DC 24V DC 0-15V | | | | | |
| Data 2 Channel 16-31 | | | | | |
| White | 1 | 0.8 | 22 | 0 | |
| Brown | 2 | 0.8 | 22 | 1 | |
| Green | 3 | 0.8 | 24 | 2 | |
| Yellow | 4 | 0.8 | 26 | 3 | |
| Blue | 5 | 0.8 | 28 | 4 | |
| Pink | 6 | 0.8 | 27 | 5 | |
| Black | 7 | 0.8 | 28 | 6 | |
| Red | 8 | 0.7 | 28 | 7 | |
| Black | 9 | 1.4 | 32 | 0 | |
| Black | 10 | 1.1 | 32 | 1 | |
| Dark Pink | 11 | 1.2 | 34 | 2 | |
| Red-Black | 12 | 1.2 | 36 | 3 | |
| White-Green | 13 | 1.4 | 36 | 4 | |
| Green-Green | 14 | 1.5 | 37 | 5 | |
| White-White | 15 | 1.6 | 38 | 6 | |
| Natural-Brown | 16 | 1.7 | 39 | 7 | |
| Black-Black | 17 | 1.9 | 40 | 8 | |
| White-Blue | 18 | 1.2 | 37 | 14 | |
| Dark-Black | 19 | 0.9 | 39 | 15 | |
| White-Pink | 20 | 1.2 | 37 | 16 | |
| Black-Black | 21 | 0.9 | 41 | 14 | |

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

Siemens

| | |
|----------------|---------------------|
| Siemens S7-300 | 6ES7 313-5BE01-0AB0 |
| | 6ES7 313-5BG04-0AB0 |
| | 6ES7 313-6BE01-0AB0 |
| | 6ES7 313-6BF03-0AB0 |
| | 6ES7 313-6CE01-0AB0 |
| | 6ES7 313-6CF03-0AB0 |
| | 6ES7 314-6BF01-0AB0 |
| | 6ES7 314-6BG03-0AB0 |
| | 6ES7 314-6CF01-0AB0 |
| | 6ES7 314-6CG03-0AB0 |
| | 6ES7 321-1BL00-0AA0 |
| | 6ES7 321-1BL80-0AA0 |
| | 6ES7 322-1BL00-0AA0 |
| | 6ES7 323-1BL00-0AA0 |

Connection Data

| | |
|------------|-------------------|
| Cable type | LiYY |
| Color code | per DIN VDE 47100 |

Connection 1

| | |
|---------------------|---|
| Pluggable connector | Pluggable connector per DIN 41651; female connector |
| Pole number 1 | 20 |
| Connection type | System |
| Wire cross-section | 0.14 mm ² |

Connection 2

| | |
|--------------------|---|
| Connector | Pluggable connector per DIN 41651; female connector |
| Pole number | 20 |
| Connection type | System |
| Wire cross-section | 0.14 mm ² |

Connection 3

| | |
|--------------------|-----------------------------|
| Connector | Siemens 6ES7-392-1BM00-0AA0 |
| Pole number | 40 |
| Connection type | System |
| Wire cross-section | 0.14 mm ² |

Physical data

| | |
|--------------|-----|
| Cable length | 2 m |
|--------------|-----|

Material data

| | |
|-----------|-------|
| Fire load | 0 MJ |
| Weight | 405 g |

Environmental requirements

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

Commercial data

| | |
|-----------------------|------------------|
| Product Group | 30 (WAGO France) |
| PU (SPU) | 1 pcs |
| Packaging type | not specified |
| Country of origin | FR |
| GTIN | 4045454873899 |
| Customs tariff number | 85444290900 |

Product Classification

| | |
|-------------|----------------------|
| UNSPSC | 26121604 |
| eCl@ss 10.0 | 27-24-22-20 |
| eCl@ss 9.0 | 27-24-22-20 |
| ETIM 9.0 | EC000237 |
| ETIM 10.0 | EC000237 |
| ECCN | NO US CLASSIFICATION |

Environmental Product Compliance

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

Downloads

Environmental Product Compliance

Compliance Search

| | |
|--|-------------------|
| Environmental Product Compliance 706-2300/301-200 | ↓ |
|--|-------------------|

Documentation

Bid Text

| | | | |
|------------------|------------|-----------------|-------------------|
| 706-2300/301-200 | 19.02.2019 | xml 3.15 KB | ↓ |
| 706-2300/301-200 | 09.02.2015 | doc 25.50 KB | ↓ |

CAD/CAE-Data

CAE data

| | |
|------------------------------------|-------------------|
| WSCAD Universe 706-2300/301-200 | ↓ |
|------------------------------------|-------------------|

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

1.1.1.1 Interface module

**Item No.: 704-5004**

Interface module for system wiring; Pluggable 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 mm²

**Item No.: 704-5014**

Interface module for system wiring; Pluggable 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 mm²

**Item No.: 704-5034**

Interface module for system wiring; Pluggable 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 mm²

**Item No.: 704-5024**

Interface module for system wiring; Pluggable 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 mm²

**Item No.: 704-5044**

Interface module for system wiring; Pluggable 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 mm²

**Item No.: 704-5054**

Interface module for system wiring; Pluggable 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 mm²

**Item No.: 704-5074**

Interface module for system wiring; Pluggable 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 mm²

**Item No.: 704-5064**

Interface module for system wiring; Pluggable 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 mm²

**Item No.: 289-614**

Interface module; Pluggable connector per DIN 41651; 20-pole; Triple-deck PCB terminal blocks; in mounting carrier; 2,50 mm²