

# Data Sheet | Item Number: 706-2500/301-200

System cable; for Siemens S7-1500; 2 x 16 digital inputs or outputs; Length: 2 m;

Conductor cross-section: 0.14 mm<sup>2</sup>

<https://www.wago.com/706-2500/301-200>



| Color        | Wire No. | Signal |
|--------------|----------|--------|
| Blue         | 1        | 0V     |
| Brown        | 2        | 0V     |
| Green        | 3        | 0V     |
| Yellow       | 4        | 0V     |
| Grey         | 5        | 0V     |
| Black        | 6        | 0V     |
| Red          | 7        | 0V     |
| White        | 8        | 0V     |
| Light Blue   | 9        | 0V     |
| Light Green  | 10       | 0V     |
| Light Yellow | 11       | 0V     |
| Light Grey   | 12       | 0V     |
| Light Black  | 13       | 0V     |
| Light Red    | 14       | 0V     |
| Light White  | 15       | 0V     |
| Light Blue   | 16       | 0V     |
| Light Green  | 17       | 0V     |
| Light Yellow | 18       | 0V     |
| Light Grey   | 19       | 0V     |
| Light Black  | 20       | 0V     |

Similar to illustration

**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       | ≤ AC/DC 35 V                     |
| Current per wire (max.) | 1 A                              |

| Compatibility   |   |
|-----------------|---|
| <b>Siemens</b>  |   |
| Siemens S7-1500 | 6ES7 521-1BL00-0AB0<br>6ES7 522-1BL00-0AB0<br>6ES7 522-1BL01-0AB0 |

| Connection data     |   |
|---------------------|---|
| Cable type          | LiYY  |
| Color code          | per DIN VDE 47100                                   |
| <b>Connection 1</b> |   |
| Connector           | Pluggable connector per DIN 41651; female connector |
| Pole number 1       | 20  |
| Connection type 1   | System  |
| Wire cross-section  | 0.14 mm <sup>2</sup>                                |
| <b>Connection 2</b> |   |
| Connector 2         | Siemens 6ES7-592-1BM00-0XB0                         |
| Pole number 2       | 20  |
| Connection type 2   | System  |
| <b>Connection 3</b> |   |
| Pole number 3       | 40  |
| Connection type 3   | System  |

### Physical data

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

### Material data

|           |       |
|-----------|-------|
| Fire load | 0 MJ  |
| Weight    | 411 g |

### Environmental requirements

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

### Commercial data

|                       |               |
|-----------------------|---------------|
| ETIM 8.0              | EC000237      |
| ETIM 7.0              | EC000237      |
| PU (SPU)              | 1 pcs         |
| Packaging type        | Bag           |
| Country of origin     | FR            |
| GTIN                  | 4055143305723 |
| Customs tariff number | 85444290900   |

### Environmental Product Compliance

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

### Downloads


#### Environmental Product Compliance

##### Compliance Search

|  |   |
|--|---|
| Environmental Product Compliance<br>706-2500/301-200 |  |
|--|---|

### Documentation

#### System Description

|                                     |                  |   |
|-------------------------------------|------------------|---|
| WAGO System Wiring, Selection Guide | pdf<br>533.15 KB |  |
|-------------------------------------|------------------|---|