

Data sheet | Item number: 706-2500/503-100

System cable; for Siemens S7-1500; 8 analog outputs (voltage); Length: 1 m;  
Conductor cross-section: 0.25 mm²



[www.wago.com/706-2500/503-100](http://www.wago.com/706-2500/503-100)



| Color coding<br>acc. to DIN VDE 47100 |  | 25 poles<br>Sub-D connector |        | PLC<br>connector |        |
|---------------------------------------|--|-----------------------------|--------|------------------|--------|
|                                       |  | Pin<br>number               | Wiring | Pin<br>number    | Signal |
| White                                 |  | 1                           | 0+     | 1-2              | QV0    |
| Brown                                 |  | 2                           | 0-     | 3-4              | Mana   |
| Green                                 |  | 3                           | 1+     | 5-6              | QV1    |
| Yellow                                |  | 4                           | 1-     | 7-8              | Mana   |
| Grey                                  |  | 5                           | 2+     | 9-10             | QV2    |
| Pink                                  |  | 6                           | 2-     | 11-12            | Mana   |
| Blue                                  |  | 7                           | 3+     | 13-14            | QV3    |
| Red                                   |  | 8                           | 3-     | 15-16            | Mana   |
| Black                                 |  | 9                           | 4+     | 21-22            | QV4    |
| Violet                                |  | 10                          | 4-     | 23-24            | Mana   |
| Grey-Pink                             |  | 11                          | 5+     | 25-26            | QV5    |
| Red-Blue                              |  | 12                          | 5-     | 27-28            | Mana   |
| White-Green                           |  | 13                          | 6+     | 29-30            | QV6    |
| Brown-Green                           |  | 14                          | 6-     | 31-32            | Mana   |
| White-Yellow                          |  | 15                          | 7+     | 33-34            | QV7    |
| Yellow-Brown                          |  | 16                          | 7-     | 35-36            | Mana   |
| White-Grey                            |  | 17                          | +24V   | 41               | L+     |
| Grey-Brown                            |  | 18                          | -0V    | 44               | M      |
| White-Pink                            |  | 19                          | nc     | nc               | nc     |
| Pink-Brown                            |  | 20                          | nc     | nc               | nc     |
| White-Blue                            |  | 21                          | nc     | nc               | nc     |
| Brown-Blue                            |  | 22                          | nc     | nc               | nc     |
| White-Red                             |  | 23                          | nc     | nc               | nc     |
| Brown-Red                             |  | 24                          | nc     | nc               | nc     |
| White-Black                           |  | 25                          | nc     | nc               | nc     |
| Shield                                |  | Connected to Sub-D          |        |                  |        |

Data  
Notes

Note

When using more than 10 wires, the maximum current per wire must be reduced to 1 A.

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

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Do you have any questions about our products?  
We are always happy to take your call at +49 (571) 887-44222.



## Electrical data

|                         |                           |
|-------------------------|---------------------------|
| Inputs/outputs          | 8 analog outputs; voltage |
| Operating voltage       | ≤ AC/DC 35 V              |
| Current per wire (max.) | 2 A                       |

## Compatibility

### Siemens

|                 |                     |
|-----------------|---------------------|
| Siemens S7-1500 | 6ES7 532-5HF00-0AB0 |
|-----------------|---------------------|

## Connection data

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

### Connection 1

|                    |                                 |
|--------------------|---------------------------------|
| Connector          | D-subminiature female connector |
| Pole number 1      | 25                              |
| Connection type 1  | System                          |
| Wire cross-section | 0.25 mm <sup>2</sup>            |

### Connection 2

|                   |                             |
|-------------------|-----------------------------|
| Connector 2       | Siemens 6ES7-592-1AM00-0XB0 |
| Pole number 2     | 40                          |
| Connection type 2 | System                      |

## Physical data

|              |     |
|--------------|-----|
| Cable length | 1 m |
|--------------|-----|

## Material data

|        |       |
|--------|-------|
| Weight | 1.1 g |
|--------|-------|

## Environmental requirements

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

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## Commercial data

|                       |               |
|-----------------------|---------------|
| ETIM 8.0              | EC000237      |
| ETIM 7.0              | EC000237      |
| ECCN                  | NO DATA       |
| PU (SPU)              | 1 pcs         |
| Packaging type        | box           |
| Country of origin     | FR            |
| GTIN                  | 4050821893585 |
| Customs tariff number | 85444290900   |

## Environmental Product Compliance

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

## Downloads

### Documentation

#### System Description

|                                                                                                                       |          |          |
|-----------------------------------------------------------------------------------------------------------------------|----------|----------|
| WAGO System Wiring, Selection Guide                                                                                   | pdf      | Download |
| This guide will help you select the appropriate interface modules and system cables for the controller you are using. | 545.9 kB |          |

## Environmental Product Compliance

### Compliance Search

|                                                                                                                           |     |          |
|---------------------------------------------------------------------------------------------------------------------------|-----|----------|
| Environmental Product Compliance 706-2500/503-100                                                                         | URL | Download |
| System cable; for Siemens S7-1500; 8 analog outputs (voltage); Length: 1 m; Conductor cross-section: 0.25 mm <sup>2</sup> |     |          |

## Installation Notes

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