

Data sheet | Item number: 706-2500/301-300

System cable; for Siemens S7-1500; 2 x 16 digital inputs or outputs; Length: 3 m; Conductor cross-section: 0.14 mm<sup>2</sup>



[www.wago.com/706-2500/301-300](http://www.wago.com/706-2500/301-300)



**i** Picture differs from the item.

Color coding acc. to DIN VDE 47100 Cable 1; Channel 0-15	20 poles flat connector		PLC connector	
	Pin number	Wiring	Pin number	Signal
White	1	0.0	1	0
Brown	2	0.1	2	1
Green	3	0.2	3	2
Yellow	4	0.3	4	3
Grey	5	0.4	5	4
Pink	6	0.5	6	5
Blue	7	0.6	7	6
Red	8	0.7	8	7
Black	9	1.0	11	8
Violet	10	1.1	12	9
Grey-Pink	11	1.2	13	10
Red-Blue	12	1.3	14	11
White-Green	13	1.4	15	12
Brown-Green	14	1.5	16	13
White-Yellow	15	1.6	17	14
Yellow-Brown	16	1.7	18	15
White-Grey	17	+24V	19	L+
Grey-Brown	18	0V	20	M
White-Pink	19	+24V	9	L+
Pink-Brown	20	0V	10	M

  

Color coding acc. to DIN VDE 47100 Cable 2; Channel 16-31	20 poles flat connector		PLC connector	
	Pin number	Wiring	Pin number	Signal
White	1	0.0	21	0
Brown	2	0.1	22	1
Green	3	0.2	23	2
Yellow	4	0.3	24	3
Grey	5	0.4	25	4
Pink	6	0.5	26	5
Blue	7	0.6	27	6
Red	8	0.7	28	7
Black	9	1.0	31	8
Violet	10	1.1	32	9
Grey-Pink	11	1.2	33	10
Red-Blue	12	1.3	34	11
White-Green	13	1.4	35	12
Brown-Green	14	1.5	36	13
White-Yellow	15	1.6	37	14
Yellow-Brown	16	1.7	38	15
White-Grey	17	+24V	39	L+
Grey-Brown	18	0V	40	M
White-Pink	19	+24V	29	L+
Pink-Brown	20	0V	30	M

Data  
Notes

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

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

WAGO GmbH & Co. KG  
 Hansastr. 27  
 32423 Minden  
 Phone: +49571 887-0 | Fax: +49571 887-169  
 Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

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	2 x 16 digital inputs or outputs
Operating voltage	≤ AC/DC 35 V
Current per wire (max.)	1 A

## Compatibility

### Siemens

Siemens S7-1500	6ES7 521-1BL00-0AB0 6ES7 522-1BL00-0AB0 6ES7 522-1BL01-0AB0
-----------------	---

## Connection data

Cable type	LIYY
Color code	per DIN VDE 47100

### Connection 1

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>

### Connection 2

Connector 2	Siemens 6ES7-592-1BM00-0XB0
Pole number 2	20
Connection type 2	System

### Connection 3

Pole number 3	40
Connection type 3	System

## Physical data

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

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



## Material Data

Weight	562 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	4055143556415
Customs tariff number	85444290900

## Environmental Product Compliance

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

## Downloads

### Documentation

#### System Description

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

## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 706-2500/301-300 System cable; for Siemens S7-1500; 2 x 16 digital inputs or outputs; Length: 3 m; Conductor cross-section: 0.14 mm <sup>2</sup>	URL	Download
---	-----	----------

## Installation Notes

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

WAGO GmbH & Co. KG  
Hansastr. 27  
32423 Minden  
Phone: +49571 887-0 | Fax: +49571 887-169  
Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

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