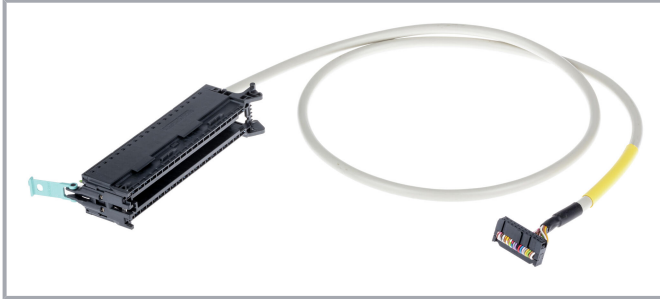


**Data sheet | Item number: 706-2500/300-100**

System cable; for Siemens S7-1500; 16 digital inputs or outputs; Length: 1 m; Conductor cross-section: 0.14 mm<sup>2</sup>



[www.wago.com/706-2500/300-100](http://www.wago.com/706-2500/300-100)



Color coding acc. to DIN VDE 47100		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

**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!

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

## Compatibility

### Siemens

Siemens S7-1500	6ES7 521-1BH00-0AA0 6ES7 521-1BH50-0AA0 6ES7 522-1BH00-0AB0 6ES7 522-1BH01-0AB0
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## 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	40
Connection type 2	System

## Physical data

Cable length	1 m
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## Material Data

Weight	182 g
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Subject to changes. Please also observe the further product documentation!



## Environmental requirements

Ambient temperature (operation)	-20 ... +50 °C
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## Commercial data

ETIM 8.0	EC000237
ETIM 7.0	EC000237
PU (SPU)	1 pcs
Packaging type	bag
Country of origin	FR
GTIN	4055143504621
Customs tariff number	85444290900

## Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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## 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 706-2500/300-100	URL	Download
System cable; for Siemens S7-1500; 16 digital inputs or outputs; Length: 1 m; Conductor cross-section: 0.14 mm <sup>2</sup>		

## Installation Notes

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