

# Data Sheet | Item Number: 706-2300/101-300

System cable; for Siemens S7-300; 16 digital inputs; Length: 3 m; Conductor cross-section: 0.34 mm<sup>2</sup>

<https://www.wago.com/706-2300/101-300>



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

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	16 digital inputs
Operating voltage	≤ 35 VAC/VDC
Current per wire (max.)	1 A

## Compatibility

### Siemens

Siemens S7-300	6ES7 321-7BH01-0AB0 6ES7 321-7BH80-0AA0
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## 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 <sup>2</sup>

### Connection 2

Connector	Siemens 6ES7-392-1BJ00-0AA0
Pole number	20
Connection type	System
Wire cross-section	0.14 mm <sup>2</sup>

### Physical data

Cable length	3 m
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### Material data

Fire load	0 MJ
Weight	290 g

### Environmental requirements

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

Product Group	30 (WAGO France)
PU (SPU)	1 pcs
Packaging type	not specified
Country of origin	FR
GTIN	4045454875039
Customs tariff number	85444290900

### Product Classification

UNSPSC	26121629
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
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### Downloads

#### Environmental Product Compliance



##### Compliance Search

Environmental Product  
Compliance  
706-2300/101-300



## Documentation

### Bid Text

706-2300/101-300	09.02.2015	doc 25.50 KB	
706-2300/101-300	19.02.2019	xml 3.14 KB	

## CAD/CAE-Data

### CAE data

WSCAD Universe  
706-2300/101-300



## 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; Pluggable 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; Pluggable 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; Pluggable 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; Pluggable connector per DIN 41651; Male connector; 20-pole; 16-channel digital input or output; 3-wire connection; in mounting carrier



##### [Item No.: 289-614](#)

Interface module; Pluggable connector per DIN 41651; 20-pole; Triple-deck PCB terminal blocks; in mounting carrier; 2,50 mm<sup>2</sup>