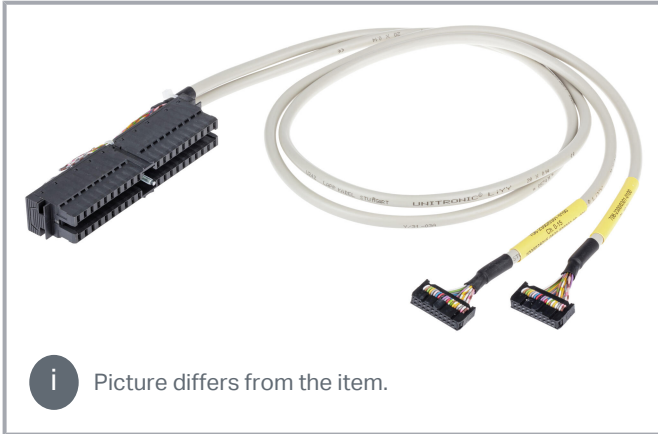


Data sheet | Item number: 706-2300/301-300

System cable; for Siemens S7-300; 2 x 16 digital inputs or outputs; Length: 3 m; Conductor cross-section: 0.14 mm<sup>2</sup>



[www.wago.com/706-2300/301-300](http://www.wago.com/706-2300/301-300)



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	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	0
Violet	10	1.1	13	1
Grey-Pink	11	1.2	14	2
Red-Blue	12	1.3	15	3
White-Green	13	1.4	16	4
Brown-Green	14	1.5	17	5
White-Yellow	15	1.6	18	6
Yellow-Brown	16	1.7	19	7
White-Grey	17	+24V	1	L+
Grey-Brown	18	0V	10	M
White-Pink	19	+24V	11	L+
Pink-Brown	20	0V	20	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	22	0
Brown	2	0.1	23	1
Green	3	0.2	24	2
Yellow	4	0.3	25	3
Grey	5	0.4	26	4
Pink	6	0.5	27	5
Blue	7	0.6	28	6
Red	8	0.7	29	7
Black	9	1.0	32	0
Violet	10	1.1	33	1
Grey-Pink	11	1.2	34	2
Red-Blue	12	1.3	35	3
White-Green	13	1.4	36	4
Brown-Green	14	1.5	37	5
White-Yellow	15	1.6	38	6
Yellow-Brown	16	1.7	39	7
White-Grey	17	+24V	21	L+
Grey-Brown	18	0V	30	M
White-Pink	19	+24V	31	L+
Pink-Brown	20	0V	40	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	2 x 16 digital inputs or outputs
Operating voltage	≤ AC/DC 35 V
Current per wire (max.)	1 A

## Compatibility

### Siemens

Siemens S7-300	6ES7 313-5BE01-0AB0
	6ES7 313-5BG04-0AB0
	6ES7 313-6BE01-0AB0
	6ES7 313-6BF03-0AB0
	6ES7 313-6CE01-0AB0
	6ES7 313-6CF03-0AB0
	6ES7 314-6BF01-0AB0
	6ES7 314-6BG03-0AB0
	6ES7 314-6CF01-0AB0
	6ES7 314-6CG03-0AB0
	6ES7 321-1BP00-0AA0
	6ES7 321-1BL00-0AA0
	6ES7 321-1BL80-0AA0
	6ES7 322-1BL00-0AA0
	6ES7 323-1BL00-0AA0

## Connection data

Cable type	LiYY
Color code	per DIN VDE 47100

### Connection 1

Connector	Pluggable connector per DIN 41651; female connector
Connection type 1	System
Wire cross-section	0.14 mm <sup>2</sup>

### Connection 2

Connector 2	Pluggable connector per DIN 41651; female connector
Pole number 2	20
Connection type 2	System

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

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### Connection 3

Connector 3	Siemens 6ES7-392-1BM00-0AA0
Pole number 3	20
Connection type 3	System

### Physical data

Cable length	3 m
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### Material Data

Weight	561 g
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### Environmental requirements

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


Product Group	30 (WAGO France)
eCl@ss 10.0	27-24-22-20
eCl@ss 9.0	27-24-22-20
ETIM 8.0	EC000237
ETIM 7.0	EC000237
PU (SPU)	1 pcs
Country of origin	FR
GTIN	4045454873905
Customs tariff number	85444290900

### Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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### Optional accessories

#### Interface module

Interface module	
	<b>Item no.: 704-2004</b> 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 <a href="http://www.wago.com/704-2004">www.wago.com/704-2004</a>

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



**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

[www.wago.com/704-2054](http://www.wago.com/704-2054)



**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

[www.wago.com/704-2044](http://www.wago.com/704-2044)



**Item no.: 704-5014**

Interface module for system wiring; Pluggable connector per DIN 41651; Male connector; 20-pole; 16-channel relay output; 1 changeover contact; Double-deck PCB terminal blocks; without relay; in mounting carrier; 2,50 mm<sup>2</sup>

[www.wago.com/704-5014](http://www.wago.com/704-5014)



**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

[www.wago.com/704-2024](http://www.wago.com/704-2024)



**Item no.: 704-5004**

Interface module for system wiring; Pluggable connector per DIN 41651; Male connector; 20-pole; 16-channel relay output; 1 changeover contact; Double-deck PCB terminal blocks; in mounting carrier; 2,50 mm<sup>2</sup>

[www.wago.com/704-5004](http://www.wago.com/704-5004)



**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>

[www.wago.com/289-614](http://www.wago.com/289-614)



**Item no.: 704-5024**

Interface module for system wiring; Pluggable connector per DIN 41651; Male connector; 20-pole; 16-channel relay output; 1 changeover contact; Triple-deck PCB terminal blocks; in mounting carrier; 2,50 mm<sup>2</sup>

[www.wago.com/704-5024](http://www.wago.com/704-5024)



**Item no.: 704-5054**

Interface module for system wiring; Pluggable connector per DIN 41651; Male connector; 20-pole; 16-channel relay output; 1 make contact; with disconnect terminal block and fuse; in mounting carrier; 2,50 mm<sup>2</sup>

[www.wago.com/704-5054](http://www.wago.com/704-5054)



**Item no.: 704-5064**

Interface module for system wiring; Pluggable connector per DIN 41651; Male connector; 20-pole; 16-channel relay output; 2 changeover contacts; Double-deck PCB terminal blocks; in mounting carrier; 2,50 mm<sup>2</sup>

[www.wago.com/704-5064](http://www.wago.com/704-5064)



**Item no.: 704-5074**

Interface module for system wiring; Pluggable connector per DIN 41651; Male connector; 20-pole; 16-channel relay output; 1 make contact; with disconnect terminal block and fuse; in mounting carrier; 2,50 mm<sup>2</sup>

[www.wago.com/704-5074](http://www.wago.com/704-5074)



**Item no.: 704-5034**

Interface module for system wiring; Pluggable connector per DIN 41651; Male connector; 20-pole; 16-channel relay output; 1 changeover contact; PCB terminal blocks; with output fuse; in mounting carrier; 2,50 mm<sup>2</sup>

[www.wago.com/704-5034](http://www.wago.com/704-5034)

**Item no.: 704-5044**

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



Interface module for system wiring; Pluggable connector per DIN 41651; Male connector; 20-pole; 16-channel relay output; 1 changeover contact; Triple-deck PCB terminal blocks; with manual operation; in mounting carrier; 2,50 mm<sup>2</sup> [www.wago.com/704-5044](http://www.wago.com/704-5044)

## Downloads

### Documentation

#### Bid Text

706-2300/301-300 X81 - Datei	2019 Feb 19	xml 3.2 kB	Download
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706-2300/301-300 doc - Datei	2015 Feb 9	doc 26.1 kB	Download
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#### Additional Information

Disposal and Recycling Electrical and electronic equipment, Batteries, Packaging	V 1.1.0 2022 Aug 18	pdf 2.2 MB	Download
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#### 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
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## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 706-2300/301-300 System cable; for Siemens S7-300; 2 x 16 digital inputs or outputs; Length: 3 m; Conductor cross-section: 0.14 mm <sup>2</sup>		URL	Download
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## Installation Notes

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