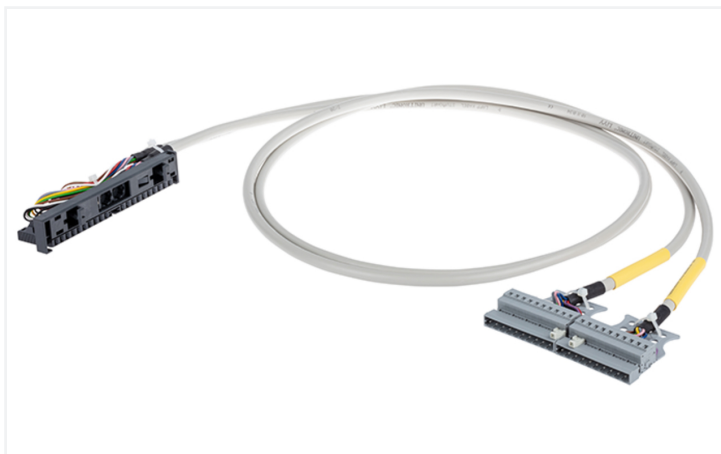


# Data Sheet | Item Number: 706-2300/304-300

System cable; for Siemens S7-300; 16 digital inputs or outputs for higher voltages with 1 line per signal; Length: 3 m; Conductor cross-section: 0.34 mm<sup>2</sup>

<https://www.wago.com/706-2300/304-300>



Color coding acc. to DIN VDE 47100 Cable 1; Channel 0-7		WAGO 231 series (LAJ)		PLC connector	
Color	Pin number	Wiring	Pin number	Signal	
White	1	IN/OUT 0	3	0	
Brown	2	IN/OUT 1	5	1	
Green	3	IN/OUT 2	7	2	
Yellow	4	IN/OUT 3	9	3	
Grey	5	IN/OUT 4	11	4	
Pink	6	IN/OUT 5	13	5	
Blue	7	IN/OUT 6	15	6	
Red	8	IN/OUT 7	17	7	
Black	9	+L	1+11	L	
Violet	10	-N	10+20	M	

Color coding acc. to DIN VDE 47100 Cable 2; Channel 8-15		WAGO 231 series (LJB)		PLC connector	
Color	Pin number	Wiring	Pin number	Signal	
White	11	IN/OUT 8	12	8	
Brown	12	IN/OUT 9	13	9	
Green	13	IN/OUT 10	14	10	
Yellow	14	IN/OUT 11	15	11	
Grey	15	IN/OUT 12	16	12	
Pink	16	IN/OUT 13	17	13	
Blue	17	IN/OUT 14	18	14	
Red	18	IN/OUT 15	19	15	
Black	19	nc	nc	nc	
Violet	20	nc	nc	nc	

## Notes

**Note** If less than 3 channels are used simultaneously, the maximum current per conductor is 2 A and up to 5 A (30°C ambient temperature) or 3.5 A (50°C ambient temperature) at pins N/L. If more than 3 channels are used simultaneously, the maximum current per conductor is 0.75 A and up to 5 A (30°C ambient temperature) or 3.5 A (50°C ambient temperature) at pins N/L.

## Electrical data

Inputs/outputs	16 digital inputs or outputs; for higher voltages
Operating voltage	≤ 250 VAC/VDC
Current per wire (max.)	0.75 A

## Compatibility

### Siemens

Siemens S7-300	6ES7 321-1CH20-0AA0 6ES7 321-1CH80-0AA0 6ES7 322-1FL00-0AA0 6ES7 322-1FH00-0AA0
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## Connection data

Cable type	LiYY
Color code	per DIN VDE 47100

### Connection 1

Pluggable connector	WAGO 231 Series
Pole number 1	10
Connection type	System
Wire cross-section	0.34 mm <sup>2</sup>

### Connection 2

Connector	WAGO 231 Series
Pole number	10
Connection type	System
Wire cross-section	0.34 mm <sup>2</sup>

### Connection 3

Connector	Siemens 6ES7-392-1BJ00-0AA0
Pole number	20
Connection type	System

## Physical data

Cable length	3 m
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## Material data

Fire load	0 MJ
Weight	645 g

## Environmental requirements

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

PU (SPU)	1 pcs
Packaging type	Box
Country of origin	FR
GTIN	4045454978983

## Product Classification

UNSPSC	26121629
ETIM 9.0	EC000237
ETIM 10.0	EC000237
ECCN	NO US CLASSIFICATION

### Environmental Product Compliance

RoHS Compliance Status

Compliant, No Exemption

### Downloads

#### Environmental Product Compliance

##### Compliance Search

Environmental Product  
Compliance  
706-2300/304-300



### Documentation

#### System Description

WAGO System Wiring,  
Selection Guide

pdf  
533.15 KB

