

Data sheet | Item number: 706-2500/102-300

System cable; for Siemens S7-1500; 16 digital inputs for higher voltages;

Length: 3 m; Conductor cross-section: 0.34 mm<sup>2</sup>

[www.wago.com/706-2500/102-300](http://www.wago.com/706-2500/102-300)



Color coding acc. to DIN VDE 47 100 Cable 1; Channel 0-7		WAGO 231 Connector (JA)		PLC connector	
		Pin number	Wiring	Pin number	Signal
White		1	IN0.0	1	0
Brown		2	IN0.1	3	1
Green		3	IN0.2	5	2
Yellow		4	IN0.3	7	3
Grey		5	IN0.4	11	4
Pink		6	IN0.5	13	5
Blue		7	IN0.6	15	6
Red		8	IN0.7	17	7
Black		9	+	nc	nc
Violet		10	-	8-18- 28-38	xN

  

Color coding acc. to DIN VDE 47 100 Cable 2; Channel 8-15		WAGO 231 Connector (JB)		PLC connector	
		Pin number	Wiring	Pin number	Signal
White		11	IN1.0	21	8
Brown		12	IN1.1	23	9
Green		13	IN1.2	25	10
Yellow		14	IN1.3	27	11
Grey		15	IN1.4	31	12
Pink		16	IN1.5	33	13
Blue		17	IN1.6	35	14
Red		18	IN1.7	37	15
Black		19	nc	nc	nc
Violet		20	nc	nc	nc

Data  
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.

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; for higher voltages
Operating voltage	≤ AC/DC 250 V
Current per wire (max.)	0.75 A

## Compatibility

### Siemens

Siemens S7-1500	6ES7 521-1FH00-0AA0
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## Connection data

Cable type	LiYY
Color code	per DIN VDE 47100

## Connection 1

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

## Connection 2

Connector 2	WAGO 231 Series
Pole number 2	10
Connection type 2	System

## Connection 3

Connector 3	Siemens 6ES7-592-1BM00-0XB0
Pole number 3	40
Connection type 3	System

## Physical data

Cable length	3 m
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Subject to changes. Please also observe the further product documentation!



## Material Data

Weight	993 g
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## 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	4055143979887
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 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 706-2500/102-300 System cable; for Siemens S7-1500; 16 digital inputs for higher voltages; Length: 3 m; Conductor cross-section: 0.34 mm <sup>2</sup>	URL	Download
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## Installation Notes

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