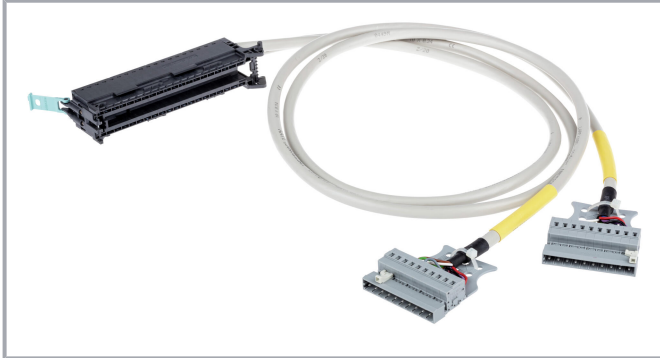


Data sheet | Item number: 706-2500/302-100

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



[www.wago.com/706-2500/302-100](http://www.wago.com/706-2500/302-100)



Color coding acc. to DIN VDE 47100 Cable 1; Channel 0-7		WAGO 231 connector (JA)		PLC connector	
		Pin number	Wiring	Pin number	Signal
White		1	IN/OUT0.0	1	0
Brown		2	IN/OUT0.1	3	1
Green		3	IN/OUT0.2	5	2
Yellow		4	IN/OUT0.3	7	3
Grey		5	IN/OUT0.4	11	4
Pink		6	IN/OUT0.5	13	5
Blue		7	IN/OUT0.6	15	6
Red		8	IN/OUT0.7	17	7
Black		9	nc	nc	nc
Violet		10	-/N	16-18-22-24-26 28-32-34-36-38	xN

Color coding acc. to DIN VDE 47100 Cable 2; Channel 8-15		WAGO 231 connector (JB)		PLC connector	
		Pin number	Wiring	Pin number	Signal
White		11	IN/OUT1.0	21	8
Brown		12	IN/OUT1.1	23	9
Green		13	IN/OUT1.2	25	10
Yellow		14	IN/OUT1.3	27	11
Grey		15	IN/OUT1.4	31	12
Pink		16	IN/OUT1.5	33	13
Blue		17	IN/OUT1.6	35	14
Red		18	IN/OUT1.7	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 or outputs; for higher voltages
Operating voltage	≤ AC/DC 250 V
Current per wire (max.)	0.75 A

## Compatibility

### Siemens

Siemens S7-1500	6ES7 521-7EH00-0AB0 6ES7 522-5EH00-0AB0
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## Connection data

Cable type	LiYY
Color code	per DIN VDE 47100

### Connection 1

Connector	WAGO 231 Series
Pole number 1	20
Connection type 1	System
Wire cross-section	0.34 mm <sup>2</sup>

### Connection 2

Connector 2	WAGO 231 Series
Pole number 2	20
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	1 m
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Subject to changes. Please also observe the further product documentation!



## Material Data

Weight	388 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	4055143415095
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 706-2500/302-100	URL	Download
System cable; for Siemens S7-1500; 16 digital inputs or outputs for higher voltages; Length: 1 m; Conductor cross-section: 0.14 mm <sup>2</sup>		

## Installation Notes

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