

Data sheet | Item number: 706-2500/300-100
System cable; for Siemens S7-1500; 16 digital inputs or outputs; Length: 1 m; Conductor cross-section: 0.14 mm²

www.wago.com/706-2500/300-100



Color coding acc. to DIN VDE 47100		20 poles flat connector		PLC connector	
		Pin number	Wiring	Pin number	Signal
White		1	0.0	1	0
Brown		2	0.1	2	1
Green		3	0.2	3	2
Yellow		4	0.3	4	3
Grey		5	0.4	5	4
Pink		6	0.5	6	5
Blue		7	0.6	7	6
Red		8	0.7	8	7
Black		9	1.0	11	8
Violet		10	1.1	12	9
Grey-Pink		11	1.2	13	10
Red-Blue		12	1.3	14	11
White-Green		13	1.4	15	12
Brown-Green		14	1.5	16	13
White-Yellow		15	1.6	17	14
Yellow-Brown		16	1.7	18	15
White-Grey		17	+24V	19	L+
Grey-Brown		18	0V	20	M
White-Pink		19	+24V	9	L+
Pink-Brown		20	0V	10	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	16 digital inputs or outputs
Operating voltage	≤ AC/DC 35 V
Current per wire (max.)	1 A

Compatibility

Siemens

Siemens S7-1500	6ES7 521-1BH00-0AA0 6ES7 521-1BH50-0AA0 6ES7 522-1BH00-0AB0 6ES7 522-1BH01-0AB0
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Connection data

Cable type	LIYY
Color code	per DIN VDE 47100

Connection 1

Connector	Pluggable connector per DIN 41651; female connector
Pole number 1	20
Connection type 1	System
Wire cross-section	0.14 mm ²

Connection 2

Connector 2	Siemens 6ES7-592-1BM00-0XB0
Pole number 2	40
Connection type 2	System

Physical data

Cable length	1 m
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Material data

Weight	182 g
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Subject to changes. Please also observe the further product documentation!



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	4055143504621
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 706-2500/300-100	URL	Download
System cable; for Siemens S7-1500; 16 digital inputs or outputs; Length: 1 m; Conductor cross-section: 0.14 mm²		

Installation Notes

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