

Data sheet | Item number: 706-2500/303-100

System cable; for Siemens S7-1500; 2 x 16 digital inputs or outputs (compact); Length: 1 m; Conductor cross-section: 0.14 mm²



www.wago.com/706-2500/303-100



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	1	IN/OUT0
Brown	2	0.1	2	IN/OUT1
Green	3	0.2	3	IN/OUT2
Yellow	4	0.3	4	IN/OUT3
Grey	5	0.4	5	IN/OUT4
Pink	6	0.5	6	IN/OUT5
Blue	7	0.6	7	IN/OUT6
Red	8	0.7	8	IN/OUT7
Black	9	1.0	11	IN/OUT8
Violet	10	1.1	12	IN/OUT9
Grey-Pink	11	1.2	13	IN/OUT10
Red-Blue	12	1.3	14	IN/OUT11
White-Green	13	1.4	15	IN/OUT12
Brown-Green	14	1.5	16	IN/OUT13
White-Yellow	15	1.6	17	IN/OUT14
Yellow-Brown	16	1.7	18	IN/OUT15
White-Grey	17	+24V	9	1L+
Grey-Brown	18	0V	10	M
White-Pink	19	+24V	19	2L+
Pink-Brown	20	0V	20	2M

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	21	IN/OUT16
Brown	2	0.1	22	IN/OUT17
Green	3	0.2	23	IN/OUT18
Yellow	4	0.3	24	IN/OUT19
Grey	5	0.4	25	IN/OUT20
Pink	6	0.5	26	IN/OUT21
Blue	7	0.6	27	IN/OUT22
Red	8	0.7	28	IN/OUT23
Black	9	1.0	31	IN/OUT24
Violet	10	1.1	32	IN/OUT25
Grey-Pink	11	1.2	33	IN/OUT26
Red-Blue	12	1.3	34	IN/OUT27
White-Green	13	1.4	35	IN/OUT28
Brown-Green	14	1.5	36	IN/OUT29
White-Yellow	15	1.6	37	IN/OUT30
Yellow-Brown	16	1.7	38	IN/OUT31
White-Grey	17	+24V	29	3L+
Grey-Brown	18	0V	30	3M
White-Pink	19	+24V	39	4L+
Pink-Brown	20	0V	40	4M

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 S7-1500	6ES7 521-1BL10-0AA0 6ES7 522-1BL10-0AA0 6ES7 523-1BL00-0AA0
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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	Pluggable connector per DIN 41651; female connector
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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Material data

Weight	26 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
ECCN	NO DATA
PU (SPU)	1 pcs
Packaging type	bag
Country of origin	FR
GTIN	4055143456364
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 706-2500/303-100	URL	Download
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Installation Notes

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