

Data Sheet | Item Number: 706-2500/301-200

System cable; for Siemens S7-1500; 2 x 16 digital inputs or outputs; Length: 2 m;

Conductor cross-section: 0.14 mm²

<https://www.wago.com/706-2500/301-200>



Similar to illustration



Color coding	20 pin connector	20 pin connector	Pin	Wire	Pin	Signal
White	1	0.0	1	0	1	0
Brown	2	0.1	2	1	1	1
Green	3	0.2	3	2	2	2
Yellow	4	0.3	4	3	3	3
Blue	5	0.4	5	4	4	4
Pink	6	0.5	6	5	5	5
Black	7	0.6	7	6	6	6
Red	8	0.7	8	7	7	7
Black	9	1.0	11	8	8	8
Black	10	1.1	12	9	9	9
Clear-Pink	11	1.2	13	10	10	10
Red-Blue	12	1.3	14	11	11	11
White-Green	13	1.4	15	12	12	12
Green-Black	14	1.5	16	13	13	13
White-Black	15	1.6	17	14	14	14
Natural-Brown	16	1.7	18	15	15	15
Natural-Grey	17	1.8	19	16	16	16
Clear-Black	18	1.9	20	17	17	17
White-Blue	19	1.10	21	18	18	18
Black-Black	20	1.11	22	19	19	19

Notes

Note: When using more than 10 wires, the maximum current per wire must be reduced to 0.7 A.

Electrical data

Inputs/outputs	2 x 16 digital inputs or outputs
Operating voltage	≤ 35 VAC/VDC
Current per wire (max.)	1 A

Compatibility

Siemens

Siemens S7-1500	6ES7 521-1BL00-0AB0 6ES7 522-1BL00-0AB0 6ES7 522-1BL01-0AB0
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Connection Data

Cable type	LiYY
Color code	per DIN VDE 47100

Connection 1

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

Connection 2

Connector	Siemens 6ES7-592-1BM00-0XB0
Pole number	20
Connection type	System
Wire cross-section	0.14 mm ²

Connection 3

Pole number	40
Connection type	System

Physical data

Cable length	2 m
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Material data

Fire load	0 MJ
Weight	411 g

Environmental requirements

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

PU (SPU)	1 pcs
Packaging type	Bag
Country of origin	FR
GTIN	4055143305723
Customs tariff number	85444290900

Product Classification

UNSPSC	26121604
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

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706-2500/301-200



Documentation

System Description

WAGO System Wiring,
Selection Guide

pdf
533.15 KB

