

Data Sheet | Item Number: 706-2500/306-500

System cable; for Siemens S7-1500; 2 x 16 digital inputs or outputs; Length: 5 m;
 Conductor cross-section: 0.14 mm²

<https://www.wago.com/706-2500/306-500>



Similar to illustration



Similar to illustration



Similar to illustration

Color coding Pin 16-1500 (S7-1500) Color 2 Channel 150	Pin	Wiring	Pin	Signal
White	1	DOF 01	1	0
Brown	2	DOF 01	2	1
Green	3	DOF 02	3	2
Yellow	4	DOF 02	4	3
Blue	5	DOF 02	5	4
Pink	6	DOF 02	6	5
Black	7	DOF 02	7	6
Red	8	DOF 02	8	7
Black	9	DOF 02	9	8
Black	10	DOF 02	10	9
Grey-Black	11	DOF 02	11	10
Black	12	DOF 02	12	11
White-Green	13	DOF 02	13	12
Brown-Black	14	DOF 02	14	13
White-Black	15	DOF 02	15	14
Yellow-Black	16	DOF 02	16	15
White-Grey	17	DOF 02	17	16
Grey-Black	18	DOF 02	18	17
White-Black	19	DOF 02	19	18
Black-Black	20	DOF 02	20	19
Black-Black	21	DOF 02	21	20

Color coding Pin 16-1500 (S7-1500) Color 2 Channel 150 1	Pin	Wiring	Pin	Signal
White	1	DOF 01	1	16
Brown	2	DOF 01	2	17
Green	3	DOF 01	3	18
Yellow	4	DOF 01	4	19
Blue	5	DOF 01	5	20
Pink	6	DOF 01	6	21
Black	7	DOF 01	7	22
Red	8	DOF 01	8	23
Black	9	DOF 01	9	24
Black	10	DOF 01	10	25
Grey-Black	11	DOF 01	11	26
Black	12	DOF 01	12	27
White-Green	13	DOF 01	13	28
Brown-Black	14	DOF 01	14	29
White-Black	15	DOF 01	15	30
Yellow-Black	16	DOF 01	16	31
White-Grey	17	DOF 01	17	32
Grey-Black	18	DOF 01	18	33
White-Black	19	DOF 01	19	34
Black-Black	20	DOF 01	20	35
Black-Black	21	DOF 01	21	36

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

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

Connection 3

Connector	Pluggable connector per DIN 41651; female connector
Pole number	40
Connection type	System

Physical data

Cable length	5 m
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Material data

Fire load	0 MJ
Weight	763 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	4066966330083
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
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Downloads

Documentation

System Description

WAGO System Wiring, Selection Guide	pdf 533.15 KB	
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