

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 mm²

<https://www.wago.com/706-2500/302-100>



Color coding acc. to DIN VDE 47100 Cable 1; Channel 0-7	WAGO 231 connector (IA)		PLC connector	
	Pin number	Wiring	Pin number	Signal
White	1	IN/OUT 0	1	0
Brown	2	IN/OUT 1	3	1
Green	3	IN/OUT 2	5	2
Yellow	4	IN/OUT 3	7	3
Grey	5	IN/OUT 4	11	4
Pink	6	IN/OUT 5	13	5
Blue	7	IN/OUT 6	15	6
Red	8	IN/OUT 7	17	7
Black	9	nc	nc	nc
Violet	10	-/N	nc	xN

Color coding acc. to DIN VDE 47100 Cable 2; Channel 8-15	WAGO 231 connector (AB)		PLC connector	
	Pin number	Wiring	Pin number	Signal
White	11	IN/OUT 8	21	8
Brown	12	IN/OUT 9	23	9
Green	13	IN/OUT 10	25	10
Yellow	14	IN/OUT 11	27	11
Grey	15	IN/OUT 12	31	12
Pink	16	IN/OUT 13	33	13
Blue	17	IN/OUT 14	35	14
Red	18	IN/OUT 15	37	15
Black	19	nc	nc	nc
Violet	20	nc	nc	nc

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.

Electrical data

Inputs/outputs	16 digital inputs or outputs; for higher voltages
Operating voltage	≤ 250 VAC/VDC
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

Pluggable connector	WAGO 231 Series
Pole number 1	20
Connection type	System
Wire cross-section	0.34 mm ²

Connection 2

Connector	WAGO 231 Series
Pole number	20
Connection type	System
Wire cross-section	0.34 mm ²

Connection 3

Connector	Siemens 6ES7-592-1BM00-0XB0
Pole number	40
Connection type	System
Wire cross-section	0.34 mm ²

Physical data

Cable length	1 m
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Material data

Fire load	0 MJ
Weight	388 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	4055143415095
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

Compliance Search

Environmental Product
Compliance
706-2500/302-100



Documentation

System Description

WAGO System Wiring,
Selection Guide

pdf
533.15 KB

