

Data Sheet | Item Number: 706-2500/102-100

System cable; for Siemens S7-1500; 16 digital inputs for higher voltages; Length: 1 m; Conductor cross-section: 0.34 mm²

<https://www.wago.com/706-2500/102-100>



Color coding acc. to DIN VDE 47100 Cable 1; Channel 0-7	WAGO 231 Connector (A)		PLC connector	
	Pin number	Wiring	Pin number	Signal
White	1	ING.0	1	0
Brown	2	ING.1	3	1
Green	3	ING.2	5	2
Yellow	4	ING.3	7	3
Grey	5	ING.4	11	4
Pink	6	ING.5	13	5
Blue	7	ING.6	15	6
Red	8	ING.7	17	7
Black	9	*	nc	nc
Violet	10	-	8-15, 26-30	xN

Color coding acc. to DIN VDE 47100 Cable 2; Channel 0-15	WAGO 231 Connector (B)		PLC connector	
	Pin number	Wiring	Pin number	Signal
White	11	IN1.0	21	8
Brown	12	IN1.1	23	9
Green	13	IN1.2	25	10
Yellow	14	IN1.3	27	11
Grey	15	IN1.4	31	12
Pink	16	IN1.5	33	13
Blue	17	IN1.6	35	14
Red	18	IN1.7	37	15
Black	19	nc	nc	nc
Violet	20	nc	nc	nc

Similar to illustration

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; for higher voltages
Operating voltage	≤ 250 VAC/VDC
Current per wire (max.)	0.75 A

Compatibility

Siemens

Siemens S7-1500	6ES7 521-1FH00-0AA0
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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	10
Connection type	System
Wire cross-section	0.34 mm ²

Connection 2

Connector	WAGO 231 Series
Pole number	10
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	350 g

Environmental requirements

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

PU (SPU)	1 pcs
Packaging type	Box
Country of origin	FR
GTIN	4050821891987
Customs tariff number	85444290900

Product Classification

UNSPSC	26121629
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

Environmental Product Compliance

Compliance Search

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706-2500/102-100



Documentation

System Description

WAGO System Wiring,
Selection Guide

pdf
533.15 KB

