

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>



Similar to illustration

Color coding acc. to DIN VDE 47100 Cable 1: Channel 0-7	WAGO 231 Connector (AI)		PLC connector	
	Pin number	Wiring	Pin number	Signal
White	1	IND.0	1	0
Brown	2	IND.1	3	1
Green	3	IND.2	5	2
Yellow	4	IND.3	7	3
Grey	5	IND.4	11	4
Pink	6	IND.5	13	5
Blue	7	IND.6	15	6
Red	8	IND.7	17	7
Black	9	+	nc	nc
Violet	10	-	0-15 0-16	0-15 0-16

Color coding acc. to DIN VDE 47100 Cable 2: Channel 8-15	WAGO 231 Connector (AI)		PLC connector	
	Pin number	Wiring	Pin number	Signal
White	11	IND.8	21	8
Brown	12	IND.9	23	9
Green	13	IND.10	25	10
Yellow	14	IND.11	27	11
Grey	15	IND.12	31	12
Pink	16	IND.13	33	13
Blue	17	IND.14	35	14
Red	18	IND.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; for higher voltages
Operating voltage	≤ AC/DC 250 V
Current per wire (max.)	0.75 A

Compatibility	
Siemens	
Siemens S7-1500	6ES7 521-1FH00-0AA0

Connection data	
Cable type	LiYY
Color code	per DIN VDE 47100
Connection 1	
Connector	WAGO 231 Series
Pole number 1	10
Connection type 1	System
Wire cross-section	0.34 mm²

Connection 2	
Connector 2	WAGO 231 Series
Pole number 2	10
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

Material Data	
Fire load	0 MJ
Weight	350 g

Environmental requirements	
Ambient temperature (operation at U _N)	-20 ... +50 °C

Commercial data	
ETIM 8.0	EC000237
ETIM 7.0	EC000237
PU (SPU)	1 pcs
Packaging type	Box
Country of origin	FR
GTIN	4050821891987
Customs tariff number	85444290900

Downloads	
Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 706-2500/102-100	

Documentation	
System Description	
WAGO System Wiring, Selection Guide	pdf 533.15 KB 