

Data Sheet | Item Number: 706-2300/304-300
System cable; for Siemens S7-300; 16 digital inputs or outputs for higher voltages with 1 line per signal; Length: 3 m; Conductor cross-section: 0.34 mm²



<https://www.wago.com/706-2300/304-300>



Color coding acc. to DIN VDE 41 100 Cable 1: Channel 0-7	WAGO 231 series (AI)		PLC connector	
	Pin number	Wiring	Pin number	Signal
White	1	IN01/00	3	0
Brown	2	IN01/01	5	1
Green	3	IN01/02	7	2
Yellow	4	IN01/03	9	3
Grey	5	IN01/04	11	4
Pink	6	IN01/05	13	5
Blue	7	IN01/06	15	6
Red	8	IN01/07	17	7
Black	9	+E	1+11	L
Violet	10	-N	10+20	M

Color coding acc. to DIN VDE 41 100 Cable 2: Channel 8-15	WAGO 231 series (UI)		PLC connector	
	Pin number	Wiring	Pin number	Signal
White	11	IN01/11	12	8
Brown	12	IN01/12	13	9
Green	13	IN01/13	14	10
Yellow	14	IN01/14	15	11
Grey	15	IN01/15	16	12
Pink	16	IN01/16	17	13
Blue	17	IN01/17	18	14
Red	18	IN01/18	19	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	≤ AC/DC 250 V
Current per wire (max.)	0.75 A

Compatibility	
Siemens	
Siemens S7-300	6ES7 321-1CH20-0AA0 6ES7 321-1CH80-0AA0 6ES7 322-1FL00-0AA0 6ES7 322-1FH00-0AA0

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 6ES7-392-1BJ00-0AA0
Pole number 3	20
Connection type 3	System



Physical data	
Cable length	3 m

Material Data	
Fire load	0 MJ
Weight	645 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	4045454978983

Downloads

Environmental Product Compliance

Compliance Search	
Environmental Product Compliance 706-2300/304-300	

Documentation

System Description	
WAGO System Wiring, Selection Guide	pdf 533.15 KB 