

Data Sheet | Item Number: 706-2500/401-200

System cable; for Siemens S7-1500; 8 analog inputs (voltage); Length: 2 m; Conductor cross-section: 0.25 mm²

<https://www.wago.com/706-2500/401-200>



Color coding acc. to DIN VDE 47100	25 poles Sub-D connector		PLC connector	
	Pin number	Wiring	Pin number	Signal
White	1	IN0+	3	U0+
Brown	2	IN0-	4	U0-
Green	3	IN1+	7	U1+
Yellow	4	IN1-	8	U1-
Grey	5	IN2+	11	U2+
Pink	6	IN2-	12	U2-
Blue	7	IN3+	15	U3+
Red	8	IN3-	16	U3-
Black	9	IN4+	23	U4+
Violet	10	IN4-	24	U4-
Grey-Pink	11	IN5+	27	U5+
Red-Blue	12	IN5-	28	U5-
White-Green	13	IN6+	31	U6+
Brown-Green	14	IN6-	32	U6-
White-Yellow	15	IN7+	35	U7+
Yellow-Brown	16	IN7-	36	U7-
White-Gray	17	+24V	41	L+
Grey-Gray	18	-0V	44	M
White-Pink	19	nc	nc	nc
Pink-Brown	20	nc	nc	nc
White-Blue	21	nc	nc	nc
Brown-Blue	22	nc	nc	nc
White-Red	23	nc	nc	nc
Brown-Red	24	1	18	Mana
White-Black	25	nc	nc	nc
Shield				Connected to Sub-D

Similar to illustration

Notes

Note When using more than 10 wires, the maximum current per wire must be reduced to 1 A.

Electrical data

Inputs/outputs	8 analog inputs; voltage
Operating voltage	≤ 35 VAC/VDC
Current per wire (max.)	2 A

Compatibility

Siemens

Siemens S7-1500	6ES7 531-7NF10-0AB0 6ES7 531-7KF00-0AB0 6ES7 531-7PF00-0AB0
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Connection Data

Cable type	LiYCY
Color code	per DIN VDE 47100

Connection 1

Pluggable connector	D-subminiature female connector
Pole number 1	25
Connection type	System
Wire cross-section	0.25 mm ²

Connection 2

Connector	Siemens 6ES7-592-1BM00-0XB0
Pole number	40
Connection type	System
Wire cross-section	0.25 mm ²

Physical data

Cable length	2 m
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Material data

Fire load	0 MJ
Weight	1.1 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	4050821893431
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

Environmental Product Compliance

Compliance Search

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706-2500/401-200



Documentation

System Description

WAGO System Wiring, Selection Guide	pdf 533.15 KB	
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