

# Data Sheet | Item Number: 706-2500/405-100

System cable; for Siemens S7-1500; 8 Analog Current Inputs, Spec. Wiring; Length: 1 m; Conductor cross-section: 0.25 mm<sup>2</sup>

<https://www.wago.com/706-2500/405-100>



Color coding acc. to DIN VDE 47100	25 poles Sub-D connector		PLC connector	
	Pin number	Wiring	Pin number	Signal
White	1	IN0+	2	0+
Brown	2	IN0-	4	0-
Green	3	IN1+	6	1+
Yellow	4	IN1-	8	1-
Grey	5	IN2+	10	2+
Pink	6	IN2-	12	2-
Blue	7	IN3+	14	3+
Red	8	IN3-	16	3-
Black	9	IN4+	22	4+
Violet	10	IN4-	24	4-
Grey-Pink	11	IN5+	26	5+
Red-Blue	12	IN5-	28	5-
White-Green	13	IN6+	30	6+
Brown-Green	14	IN6-	32	6-
White-Yellow	15	IN7+	34	7+
Yellow-Brown	16	IN7-	36	7-
White-Grey	17	+24V	41	L+
Grey-Brown	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; current
Operating voltage	≤ 35 VAC/VDC
Current per wire (max.)	2 A

## Compatibility

### Siemens

Siemens S7-1500	6ES7 531-7KF00-0AB0
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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 <sup>2</sup>

### Connection 2

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

### Physical data

Cable length	1 m
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### Material data

Fire load	0 MJ
Weight	373 g

### Environmental requirements

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

PU (SPU)	1 pcs
Packaging type	Bag
GTIN	4055143601016
Customs tariff number	85444290900

### Product Classification

UNSPSC	26121609
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

Environmental Product  
Compliance  
706-2500/405-100



### Documentation

#### System Description

WAGO System Wiring,  
Selection Guide

pdf  
533.15 KB

