

**Data sheet | Item number: 704-2003**

Interface module for system wiring; Pluggable connector per DIN 41651;  
Male connector; 10-pole; 8-channel digital input or output; 3-wire  
connection; in mounting carrier

[www.wago.com/704-2003](http://www.wago.com/704-2003)



Subject to changes. Please also observe the further product documentation!

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## Data

### Electrical data

Inputs/outputs	8-channel digital input or output
Circuit type	3-wire connection
Nominal operating voltage	DC 24 V
Operating voltage range	±10 %
Current consumption (status indication)	5 mA
Total current	2 A
Limiting continuous current	1 A
Status indicator	Green LED (channel) Yellow LED (power supply)

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Internal fuse	2 A
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## Safety and protection

Rated voltage	50 V
Rated surge voltage	0.8 kV
Pollution degree	2

## Compatibility

### Siemens

Siemens S7-300	6ES7 313-5BE01-0AB0	
	6ES7 313-5BG04-0AB0	
	6ES7 314-6BF01-0AB0	
	6ES7 314-6BG03-0AB0	
	6ES7 314-6CF01-0AB0	
	6ES7 314-6CG03-0AB0	
	6ES7 322-1BF01-0AA0	
	6ES7 322-8BF00-0AB0	
	6ES7 323-1BH01-0AA0	
	6ES7 326-2BF01-0AB0	
	6ES7 326-2BF10-0AB0	
	6ES7 327-1BH00-0AB0	
	Siemens S7-1500	6ES7 522-1BF00-0AB0
	Siemens ET200SP	6ES7 131-6BF00-0CA0
6ES7 131-6BF00-0DA0		
6ES7 131-6BF00-2CA0		
6ES7 131-6BF01-0AA0		
6ES7 131-6BF01-0BA0		
6ES7 131-6BF01-2AA0		
6ES7 131-6BF01-2BA0		
6ES7 131-6BF61-0AA0		
6ES7 132-6BF00-0CA0		
6ES7 132-6BF01-0AA0		
6ES7 132-6BF01-0BA0		

### GE Fanuc

GE Fanuc 9030	IC693 MDL634
	IC693 MDL730
	IC693 MDL732

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## Schneider

Schneider Modicon TM3	TM3 DI8(G) TM3 DQ8T(G)
Schneider Modicon M340	BMX DDM 16022 BMX DDM 16025
Schneider Modicon Quantum	140 DDM 390 00
Schneider TSX	TSX DEY 08D2 TSX DSY 08T2 TSX DSZ 04T22 TSX DSZ 08T2 TSX DSZ 08T2K TSX DMZ 16DTK

## Rockwell

Rockwell Compact Logix	1769 - OB8
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## Omron

Omron CJ1W	CJ1W-ID201 CJ1W-OD204
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## WAGO

WAGO I/O System 750	750-1502
WAGO I/O System 753	753-430 (x1) 753-431 (x1) 753-530 (x1)

## Connection data

### Connection 1

Connector	DIN 41651 connector; male connector
Pole number 1	10
Connection type 1	System
Note (conductor cross-section)	12 AWG: THHN, THWN
Mating direction	vertical

### Connection 2

Design 2	PCB terminal blocks (triple-deck)
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Pole number 2	24
Connection type 2	Field
WAGO connector 2	WAGO 737 Series
Solid conductor 2	0.08 ... 2.5 mm <sup>2</sup> / 28 ... 12 AWG
Fine-stranded conductor 2	0.08 ... 2.5 mm <sup>2</sup> / 28 ... 12 AWG
Strip length 2	5 ... 6 mm / 0.2 ... 0.24 inches

### Connection 3

Design 3	PCB terminal blocks (double-deck)
Pole number 3	6
Connection type 3	Power supply
WAGO connector 3	WAGO 736 Series
Solid conductor 3	0.08 ... 2.5 mm <sup>2</sup> / 28 ... 12 AWG
Fine-stranded conductor 3	0.08 ... 2.5 mm <sup>2</sup> / 28 ... 12 AWG
Strip length 3	5 ... 6 mm / 0.2 ... 0.24 inches

### Physical data

Width	56 mm / 2.205 inches
Height	85 mm / 3.346 inches
Depth from upper-edge of DIN-rail	63 mm / 2.48 inches

### Mechanical Data

Mounting type	DIN-35 rail
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### Material Data

Fire load	1.694 MJ
Weight	92 g

### Environmental requirements

Ambient temperature (operation)	-20 ... +50 °C
Ambient temperature (storage)	-40 ... +70 °C
Relative humidity	85% (non-condensing)

### Commercial data

Product Group	30 (WAGO France)
eCl@ss 10.0	27-14-11-52

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eCl@ss 9.0	27-14-11-52
ETIM 8.0	EC002780
ETIM 7.0	EC002780
Recupel Type	
PU (SPU)	1 pcs
Packaging type	box
Country of origin	FR
GTIN	4050821161981
Customs tariff number	85366990990

## Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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## Optional accessories

### Cables and pluggable connectors

System cable		
<b>Item no.: 706-2300/201-300</b>		<a href="http://www.wago.com/706-2300/201-300">www.wago.com/706-2300/201-300</a>
System cable; for Siemens S7-300; 8 digital outputs; Length: 3 m; Conductor cross-section: 0.14 mm <sup>2</sup>		
<b>Item no.: 706-2300/201-200</b>		<a href="http://www.wago.com/706-2300/201-200">www.wago.com/706-2300/201-200</a>
System cable; for Siemens S7-300; 8 digital outputs; Length: 2 m; Conductor cross-section: 0.14 mm <sup>2</sup>		
<b>Item no.: 706-2300/201-100</b>		<a href="http://www.wago.com/706-2300/201-100">www.wago.com/706-2300/201-100</a>
System cable; for Siemens S7-300; 8 digital outputs; Length: 1 m; Conductor cross-section: 0.14 mm <sup>2</sup>		
<b>Item no.: 706-7753/300-100</b>		<a href="http://www.wago.com/706-7753/300-100">www.wago.com/706-7753/300-100</a>
System cable; for WAGO-I/O-SYSTEM, 753 Series; 8 digital inputs or outputs; Length: 1 m; Conductor cross-section: 0.14 mm <sup>2</sup>		
<b>Item no.: 706-7753/300-200</b>		<a href="http://www.wago.com/706-7753/300-200">www.wago.com/706-7753/300-200</a>
System cable; for WAGO-I/O-SYSTEM, 753 Series; 8 digital inputs or outputs; Length: 2 m; Conductor cross-section: 0.14 mm <sup>2</sup>		
<b>Item no.: 706-7753/302-200</b>		<a href="http://www.wago.com/706-7753/302-200">www.wago.com/706-7753/302-200</a>
System cable; for WAGO-I/O-SYSTEM, 750 Series; 8 digital inputs and 8 digital outputs; Length: 2 m; Conductor cross-section: 0.14 mm <sup>2</sup>		
<b>Item no.: 706-7753/302-100</b>		<a href="http://www.wago.com/706-7753/302-100">www.wago.com/706-7753/302-100</a>
System cable; for WAGO-I/O-SYSTEM, 750 Series; 8 digital inputs and 8 digital outputs; Length: 1 m; Conductor cross-section: 0.14 mm <sup>2</sup>		
Connecting cable		
<b>Item no.: 706-100/1301-200</b>		

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Connection cable; 10-pole; Pluggable connector per DIN 41651; open-ended; Length: 2 m; Conductor cross-section: 0.14 mm<sup>2</sup>; UR components [www.wago.com/706-100/1301-200](http://www.wago.com/706-100/1301-200)

### Marking accessories

#### Marking strip

<b>Item no.: 2009-110</b> Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white	<a href="http://www.wago.com/2009-110">www.wago.com/2009-110</a>
<b>Item no.: 709-196</b> Marking strips; for laser printer; translucent	<a href="http://www.wago.com/709-196">www.wago.com/709-196</a>
<b>Item no.: 709-178</b> Marking strips; on reel; 7.5 mm wide; not stretchable; plain; snap-on type; white	<a href="http://www.wago.com/709-178">www.wago.com/709-178</a>
<b>Item no.: 709-177</b> Marking strips; on reel; 7.5 mm wide; not stretchable; plain; snap-on type; translucent	<a href="http://www.wago.com/709-177">www.wago.com/709-177</a>

### Downloads

#### Documentation

##### Bid Text

704-2003 X81 - Datei	2019 年2月19 日	xml 3.8 kB	Download
704-2003 doc - Datei	2015 年11月20 日	doc 25.6 kB	Download

##### Additional Information

Disposal and Recycling Electrical and electronic equipment, Batteries, Packaging	V 1.1.0 2022 年8月18 日	pdf 2.2 MB	Download
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##### System Description

WAGO System Wiring, Selection Guide This guide will help you select the appropriate interface modules and system cables for the controller you are usng.		pdf 545.9 kB	Download
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### CAD/CAE-Data

#### CAD data

2D/3D Models 704-2003		URL	Download
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#### CAE data

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EPLAN Data Portal 704-2003	<a href="#">URL</a>	<a href="#">Download</a>
ZUKEN Portal 704-2003	<a href="#">URL</a>	<a href="#">Download</a>
WSCAD Universe 704-2003	<a href="#">URL</a>	<a href="#">Download</a>

## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 704-2003	<a href="#">URL</a>	<a href="#">Download</a>
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## Installation Notes

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