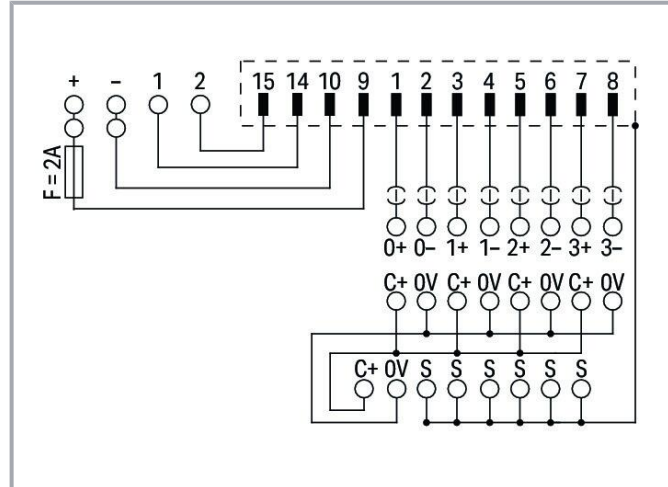
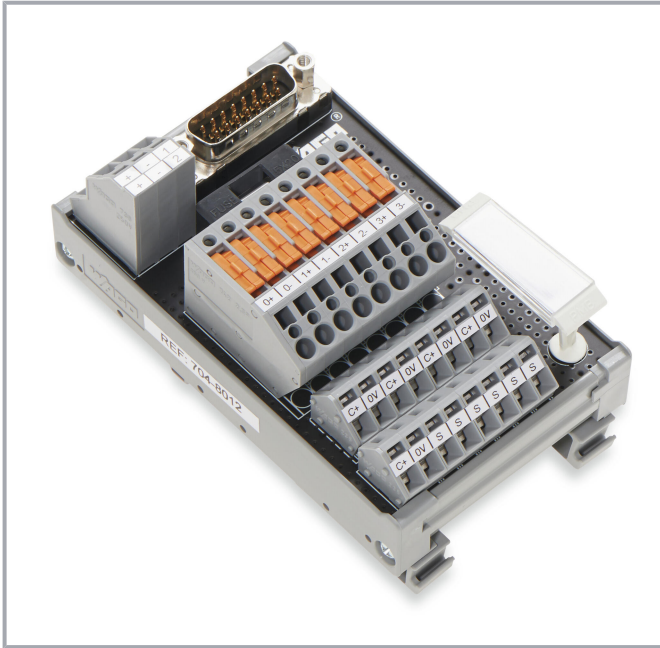


## Data sheet | Item number: 704-8012

Interface module for system wiring; with solder pin; Male connector; 15-pole; 4-channel analog input or output; 4-wire; PCB terminal blocks; in mounting carrier



[www.wago.com/704-8012](http://www.wago.com/704-8012)



## Data

### Electrical data

Inputs/outputs	4-channel analog input or output
Circuit type	2-wire connection 4-wire connection
Operating voltage	≤48 VDC
Limiting continuous current	1 A
Internal fuse	Supply: 2 A
Specialty functions	With disconnect/test terminal blocks with disconnect/test terminal blocks

### Safety and protection

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

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

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## Compatibility

### Siemens

Siemens S7-300	6ES7 331-7KB02-0AB0 6ES7 331-7KB81-0AB0 6ES7 331-7RD00-0AB0 6ES7 332-5HB01-0AB0 6ES7 332-5HB81-0AB0 6ES7 332-5HD01-0AB0 6ES7 332-7ND02-0AB0
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Siemens S7-1500	6ES7 531-7QD00-0AB0 6ES7 532-5HD00-0AB0 6ES7 532-5ND00-0AB0
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### GE Fanuc

GE Fanuc 9030	IC693 ALG220 IC693 ALG221
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### Schneider

Schneider Modicon TM3	TM3 AI2H(G) TM3 AI4(G) TM3 AQ2(G) TM3 AQ4(G) TM3 TI4(G) TM3 TM3(G)
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Schneider Modicon M340	BMX AMI 0410 BMX AMO 0210 BMX AMO 0410
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Schneider Modicon Quantum	140 ACO 020 00
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Schneider TSX	TSX AEY 414 TSX ASY 410
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### Rockwell

Rockwell Compact Logix	1769 - IF4 1769 - IF4I 1769 - IF8 1769 - OF2 1769 - OF4 1769 - OF4CI 1769 - OF4VI
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Rockwell Control Logix	1756 - OF4
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Subject to changes. Please also observe the further product documentation!



## WAGO

WAGO I/O System 753	753-453 (x1)
	753-455 (x1)
	753-457 (x1)
	753-459 (x1)
	753-553 (x1)
	753-555 (x1)
	753-557 (x1)
	753-559 (x1)

## Connection data

### Connection 1

Connector	D-sub male connector
Pole number 1	15
Connection type 1	System
Note (conductor cross-section)	12 AWG: THHN, THWN
Mating direction	vertical

### Connection 2

Design 2	PCB terminal blocks
Pole number 2	8
Connection type 2	Field
WAGO connector 2	WAGO 742 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	8 ... 9 mm / 0.31 ... 0.35 inches

### Connection 3

Design 3	PCB terminal blocks (double-row)
Pole number 3	16
Connection type 3	Field
WAGO connector 3	WAGO 236 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

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

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## Connection 4

Design 4	PCB terminal blocks (double-deck)
Pole number 4	6
Connection type 4	Power supply
Connection technology 4	CAGE CLAMP®
WAGO connector 4	WAGO 736 Series
Solid conductor 4	0.08 ... 2.5 mm <sup>2</sup> / 28 ... 12 AWG
Fine-stranded conductor 4	0.08 ... 2.5 mm <sup>2</sup> / 28 ... 12 AWG
Strip length 4	5 ... 6 mm / 0.2 ... 0.24 inches

## Physical data

Width	66 mm / 2.598 inches
Height	105 mm / 4.134 inches
Depth from upper-edge of DIN-rail	50 mm / 1.969 inches

## Mechanical Data

Mounting type	DIN-35 rail
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## Material Data

Fire load	1.704 MJ
Weight	131 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
eCl@ss 9.0	27-14-11-52
ETIM 8.0	EC002780
ETIM 7.0	EC002780
PU (SPU)	1 pcs

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

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Packaging type	box
Country of origin	FR
GTIN	4050821115441
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.: 706-2300/500-100</b> System cable; for Siemens S7-300; 4 analog outputs (current); Length: 1 m; Conductor cross-section: 0.25 mm <sup>2</sup>	<a href="http://www.wago.com/706-2300/500-100">www.wago.com/706-2300/500-100</a>
	<b>Item no.: 706-2300/500-200</b> System cable; for Siemens S7-300; 4 analog outputs (current); Length: 2 m; Conductor cross-section: 0.25 mm <sup>2</sup>	<a href="http://www.wago.com/706-2300/500-200">www.wago.com/706-2300/500-200</a>
	<b>Item no.: 706-2300/500-300</b> System cable; for Siemens S7-300; 4 analog outputs (current); Length: 3 m; Conductor cross-section: 0.25 mm <sup>2</sup>	<a href="http://www.wago.com/706-2300/500-300">www.wago.com/706-2300/500-300</a>

### 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>

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



## Downloads

### Documentation

#### Bid Text

704-8012 X81 - Datei	2019 Feb 19	xml 3.6 kB	Download
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704-8012 doc - Datei	2015 Nov 20	doc 26.1 kB	Download
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#### Additional Information

Disposal and Recycling Electrical and electronic equipment, Batteries, Packaging	V 1.1.0 2022 Aug 18	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

### CAE data

EPLAN Data Portal 704-8012		URL	Download
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WSCAD Universe 704-8012		URL	Download
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## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 704-8012 Interface module for system wiring; with solder pin; Male connector; 15-pole; 4-channel analog input or output; 4-wire; PCB terminal blocks; in mounting carrier		URL	Download
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## Installation Notes

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