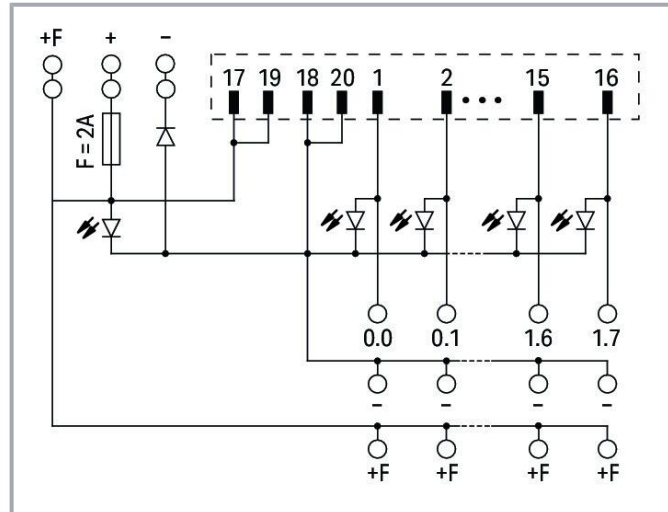


## Data sheet | Item number: 704-2054

Interface module for system wiring; Pluggable connector per DIN 41651; Male connector; 20-pole; 16-channel digital input or output; 3-wire connection; in mounting carrier

[www.wago.com/704-2054](http://www.wago.com/704-2054)



## Data

### Electrical data

Inputs/outputs	16-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)
Internal fuse	2 A

### Safety and protection

Rated voltage	50 V
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Subject to changes. Please also observe the further product documentation!

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Hansastr. 27  
32423 Minden  
Phone: +49571 887-0 | Fax: +49571 887-169  
Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

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Rated surge voltage	0.8 kV
Pollution degree	2

## Compatibility

### Siemens

Siemens S7-300	6ES7 313-5BE01-0AB0 6ES7 313-5BG04-0AB0 6ES7 313-6BE01-0AB0 6ES7 313-6BF03-0AB0 6ES7 313-6CE01-0AB0 6ES7 313-6CF03-0AB0 6ES7 314-6BF01-0AB0 6ES7 314-6BG03-0AB0 6ES7 314-6CF01-0AB0 6ES7 314-6CG03-0AB0 6ES7 321-1BH02-0AA0 6ES7 321-1BH10-0AA0 6ES7 321-1BH80-0AA0 6ES7 321-1BL00-0AA0 6ES7 321-1BL80-0AA0 6ES7 321-1BP00-0AA0 6ES7 321-7BH01-0AB0 6ES7 321-7BH80-0AA0 6ES7 322-1BH01-0AA0 6ES7 322-1BH10-0AA0 6ES7 322-1BH80-0AA0 6ES7 322-1BL00-0AA0 6ES7 322-1BP00-0AA0 6ES7 322-1EH01-0AA0 6ES7 322-8BH01/8BH10-0AB0 6ES7 323-1BL00-0AA0 6ES7 326-1BK01-0AB0 6ES7 326-1RF00-0AB0
Siemens S7-400	6ES7 421-1BL01-0AA0 6ES7 421-7BH01-0AB0 6ES7 422-1BL00-0AA0 6ES7 422-7BL00-0AB0
Siemens S7-1500	6ES7 511-1CK00-0AB0 6ES7 512-1CK00-0AB0 6ES7 521-1BH00-0AA0 6ES7 521-1BH10-0AA0 6ES7 521-1BL00-0AB0 6ES7 521-1BL10-0AA0 6ES7 521-1BP00-0AA0 6ES7 522-1BH00-0AB0

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



6ES7 522-1BH01-0AB0  
 6ES7 522-1BH10-0AA0  
 6ES7 522-1BL00-0AB0  
 6ES7 522-1BL01-0AB0  
 6ES7 522-1BL10-0AA0  
 6ES7 522-1BP00-0AA0  
 6ES7 523-1BL00-0AA0

---

Siemens ET200SP

6ES7 131-6BH01-0BA0  
 6ES7 131-6BH01-2BA0  
 6ES7 132-6BH00-0AA0  
 6ES7 132-6BH00-2AA0  
 6ES7 132-6BH01-0BA0  
 6ES7 132-6BH01-2BA0

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## GE Fanuc

GE Fanuc 9030

IC693 MDL241  
 IC693 MDL640  
 IC693 MDL643  
 IC693 MDL645  
 IC693 MDL646  
 IC693 MDL655  
 IC693 MDL740  
 IC693 MDL742  
 IC693 MDL753

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GE Fanuc RX3i

IC694 MDL655  
 IC694 MDL753

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## Schneider

Schneider Modicon TM3

TM3 DI16(G)  
 TM3 DI16K  
 TM3 DI32K  
 TM3 DQ16T(G)  
 TM3 DQ16TK  
 TM3 DQ32TK

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Schneider Modicon M340

BMX DDI 1602  
 BMX DDI 3202K  
 BMX DDI 6402K  
 BMX DDO 1602  
 BMX DDO 3202K  
 BMX DDO 6402K  
 BMX DDM 3202K

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Schneider Modicon Quantum

140 DDI 353 00  
 140 DDI 364 00  
 140 DDO 353 00  
 140 DDO 353 01

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Hansastr. 27

32423 Minden

Phone: +49571 887-0 | Fax: +49571 887-169

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140 DDO 364 00  
140 DDM 390 00  
140 DSI 353 00  
140 DVO 853 00

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Schneider TSX

TSX DEY 16D2  
TSX DEY 16FK  
TSX DEY 32D2K  
TSX DEY 64D2K  
TSX DMY 28FK  
TSX DMY 28RFK  
TSX DSY 16T2  
TSX DSY 32T2K  
TSX DSY 64T2K

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Schneider Twido

TM2 DDI 16DK  
TM2 DDI 32DK  
TM2 DDO 16TK  
TM2 DDO 32TK

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## Rockwell

Rockwell Compact Logix

1769 - IQ16  
1769 - IQ16F  
1769 - IQ32  
1769 - IQ32T  
1769 - OB16  
1769 - OB16P  
1769 - OB32  
1769 - OB32T

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Rockwell Control Logix

1756 - IB16I  
1756 - IB16ISOE  
1756 - IB32  
1756 - OB16E  
1756 - OB16I  
1756 - OB16IS  
1756 - OB32

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## Omron

Omron CJ1W

CJ1W-ID211  
CJ1W-ID231  
CJ1W-ID232  
CJ1W-ID261  
CJ1W-ID262  
CJ1W-IDP01  
CJ1W-INT01  
CJ1W-MD232  
CJ1W-OD212

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

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WAGO GmbH & Co. KG

Hansastr. 27

32423 Minden

Phone: +49571 887-0 | Fax: +49571 887-169

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CJ1W-OD232

CJ1W-OD262

## WAGO

WAGO I/O System 750	750-1400 750-1500 750-1502
WAGO I/O System 753	753-430 (x2) 753-431 (x2) 753-530 (x2)

## Connection data

### Connection 1

Connector	DIN 41651 connector; male connector
Pole number 1	20
Connection type 1	System
Note (conductor cross-section)	12 AWG: THHN, THWN
Mating direction	vertical

### Connection 2

Design 2	PCB terminal blocks (triple-deck)
Pole number 2	48
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

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

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## Physical data

Width	85 mm / 3.346 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	2.387 MJ
Weight	143 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
Packaging type	box
Country of origin	FR
GTIN	4050821220602
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
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Subject to changes. Please also observe the further product documentation!

	<b>Item no.: 706-2300/301-300</b> System cable; for Siemens S7-300; 2 x 16 digital inputs or outputs; Length: 3 m; Conductor cross-section: 0.14 mm <sup>2</sup>	<a href="http://www.wago.com/706-2300/301-300">www.wago.com/706-2300/301-300</a>
	<b>Item no.: 706-2300/301-200</b> System cable; for Siemens S7-300; 2 x 16 digital inputs or outputs; Length: 2 m; Conductor cross-section: 0.14 mm <sup>2</sup>	<a href="http://www.wago.com/706-2300/301-200">www.wago.com/706-2300/301-200</a>
	<b>Item no.: 706-2300/100-200</b> System cable; for Siemens S7-300; 2 x 16 digital inputs; Length: 2 m; Conductor cross-section: 0.34 mm <sup>2</sup>	<a href="http://www.wago.com/706-2300/100-200">www.wago.com/706-2300/100-200</a>
	<b>Item no.: 706-2300/200-100</b> System cable; for Siemens S7-300; 2 x 16 digital outputs; Length: 1 m; Conductor cross-section: 0.14 mm <sup>2</sup>	<a href="http://www.wago.com/706-2300/200-100">www.wago.com/706-2300/200-100</a>
	<b>Item no.: 706-2300/100-100</b> System cable; for Siemens S7-300; 2 x 16 digital inputs; Length: 1 m; Conductor cross-section: 0.34 mm <sup>2</sup>	<a href="http://www.wago.com/706-2300/100-100">www.wago.com/706-2300/100-100</a>
	<b>Item no.: 706-2300/100-300</b> System cable; for Siemens S7-300; 2 x 16 digital inputs; Length: 3 m; Conductor cross-section: 0.34 mm <sup>2</sup>	<a href="http://www.wago.com/706-2300/100-300">www.wago.com/706-2300/100-300</a>
	<b>Item no.: 706-2300/101-200</b> System cable; for Siemens S7-300; 16 digital inputs; Length: 2 m; Conductor cross-section: 0.34 mm <sup>2</sup>	<a href="http://www.wago.com/706-2300/101-200">www.wago.com/706-2300/101-200</a>
	<b>Item no.: 706-2300/200-300</b> System cable; for Siemens S7-300; 2 x 16 digital outputs; Length: 3 m; Conductor cross-section: 0.14 mm <sup>2</sup>	<a href="http://www.wago.com/706-2300/200-300">www.wago.com/706-2300/200-300</a>
	<b>Item no.: 706-2300/101-300</b> System cable; for Siemens S7-300; 16 digital inputs; Length: 3 m; Conductor cross-section: 0.34 mm <sup>2</sup>	<a href="http://www.wago.com/706-2300/101-300">www.wago.com/706-2300/101-300</a>
	<b>Item no.: 706-2300/200-200</b> System cable; for Siemens S7-300; 2 x 16 digital outputs; Length: 2 m; Conductor cross-section: 0.14 mm <sup>2</sup>	<a href="http://www.wago.com/706-2300/200-200">www.wago.com/706-2300/200-200</a>
	<b>Item no.: 706-2300/300-100</b> System cable; for Siemens S7-300; 16 digital inputs or outputs; Length: 1 m; Conductor cross-section: 0.14 mm <sup>2</sup>	<a href="http://www.wago.com/706-2300/300-100">www.wago.com/706-2300/300-100</a>
	<b>Item no.: 706-2300/101-100</b> System cable; for Siemens S7-300; 16 digital inputs; Length: 1 m; Conductor cross-section: 0.34 mm <sup>2</sup>	<a href="http://www.wago.com/706-2300/101-100">www.wago.com/706-2300/101-100</a>
	<b>Item no.: 706-2300/301-100</b> System cable; for Siemens S7-300; 2 x 16 digital inputs or outputs; Length: 1 m; Conductor cross-section: 0.14 mm <sup>2</sup>	<a href="http://www.wago.com/706-2300/301-100">www.wago.com/706-2300/301-100</a>

**Item no.: 706-2300/300-200**

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



System cable; for Siemens S7-300; 16 digital inputs or outputs; Length: 2 m; Conductor cross-section: 0.14 mm<sup>2</sup>

[www.wago.com/706-2300/300-200](http://www.wago.com/706-2300/300-200)



**Item no.: 706-2300/300-300**  
System cable; for Siemens S7-300; 16 digital inputs or outputs; Length: 3 m; Conductor cross-section: 0.14 mm<sup>2</sup>

[www.wago.com/706-2300/300-300](http://www.wago.com/706-2300/300-300)



**Item no.: 706-7753/301-200**  
System cable; for WAGO-I/O-SYSTEM, 753 Series; 2 x 16 digital inputs or outputs; Length: 2 m; Conductor cross-section: 0.14 mm<sup>2</sup>

[www.wago.com/706-7753/301-200](http://www.wago.com/706-7753/301-200)

#### Connecting cable



**Item no.: 706-100/1300-200**  
Connection cable; 20-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/706-100/1300-200](http://www.wago.com/706-100/1300-200)



**Item no.: 706-100/1300-400**  
Connection cable; 20-pole; Pluggable connector per DIN 41651; open-ended; Length: 4 m; Conductor cross-section: 0.14 mm<sup>2</sup>; UR components

[www.wago.com/706-100/1300-400](http://www.wago.com/706-100/1300-400)

#### Marking accessories

##### Marking strip



**Item no.: 2009-110**  
Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white

[www.wago.com/2009-110](http://www.wago.com/2009-110)



**Item no.: 709-196**  
Marking strips; for laser printer; translucent

[www.wago.com/709-196](http://www.wago.com/709-196)



**Item no.: 709-178**  
Marking strips; on reel; 7.5 mm wide; not stretchable; plain; snap-on type; white

[www.wago.com/709-178](http://www.wago.com/709-178)



**Item no.: 709-177**  
Marking strips; on reel; 7.5 mm wide; not stretchable; plain; snap-on type; translucent

[www.wago.com/709-177](http://www.wago.com/709-177)

#### Downloads

##### Documentation

##### Bid Text

704-2054 X81 - Datei	2019 Feb 19	xml 3.9 kB	Download
704-2054	2015 Nov 20	doc	Download

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





doc - Datei

26.1 kB

### 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

#### CAD data

2D/3D Models 704-2054		URL	Download
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#### CAE data

EPLAN Data Portal 704-2054		URL	Download
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WSCAD Universe 704-2054		URL	Download
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ZUKEN Portal 704-2054		URL	Download
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### Environmental Product Compliance

#### Compliance Search

Environmental Product Compliance 704-2054 Interface module for system wiring; Pluggable connector per DIN 41651; Male connector; 20-pole; 16-channel digital input or output; 3-wire connection; in mounting carrier		URL	Download
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### Installation Notes

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