

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



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

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

WAGO Kontakttechnik GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



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
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

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



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
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

GE Fanuc

GE Fanuc 9030

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

GE Fanuc RX3i

IC694 MDL655
IC694 MDL753

Schneider

Schneider Modicon TM3

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

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



Schneider Modicon M340

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

Schneider Modicon Quantum

140 DDI 353 00
140 DDI 364 00
140 DDO 353 00
140 DDO 353 01
140 DDO 364 00
140 DDM 390 00
140 DSI 353 00
140 DVO 853 00

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

Rockwell

Rockwell Compact Logix

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

Rockwell Control Logix

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

Omron

Omron CJ1W

CJ1W-ID211
CJ1W-ID231

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

WAGO Kontakttechnik GmbH & Co. KG

Hansastr. 27

32423 Minden

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

Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?

We are always happy to take your call at +49 (571) 887-44222.



CJ1W-ID232
 CJ1W-ID261
 CJ1W-ID262
 CJ1W-IDP01
 CJ1W-INT01
 CJ1W-MD232
 CJ1W-OD212
 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 type 1	System
Pole number 1	20
Connector	DIN 41651 connector; male connector
Mating direction	vertical
Connection type 2	Field
Pole number 2	48
Design 2	PCB terminal blocks (triple-deck)
WAGO connector 2	WAGO 737 Series
Solid conductor 2	0.08 ... 2.5 mm ² / 28 ... 12 AWG
Fine-stranded conductor 2	0.08 ... 2.5 mm ² / 28 ... 12 AWG
Abisolierlänge 2	5 ... 6 mm / 0.2 ... 0.24 inches
Connection type 3	Power supply
Pole number 3	6
Design 3	PCB terminal blocks (double-deck)
WAGO connector 3	WAGO 736 Series
Solid conductor 3	0.08 ... 2.5 mm ² / 28 ... 12 AWG
Fine-stranded conductor 3	0.08 ... 2.5 mm ² / 28 ... 12 AWG
Abisolierlänge 3	5 ... 6 mm / 0.2 ... 0.24 inches
Note (conductor cross-section)	12 AWG: THHN, THWN

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

WAGO Kontakttechnik GmbH & Co. KG
 Hansastr. 27
 32423 Minden
 Phone: +49571 887-0 | Fax: +49571 887-169
 Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
 We are always happy to take your call at +49 (571) 887-44222.



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
---------------	-------------

Material data

Fire load	2.111 MJ
Weight	143 g

Environmental requirements

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

Commercial data

Product Group	30 ()
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 Stück
Packaging type	box
Country of origin VKOrg Germany	FR
GTIN	4050821220602
Customs tariff number VKOrg Germany	85366990990

Compatible products

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
Item no.: 709-196	

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



Marking strips; for laser printer; translucent

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**Item no.: 709-177**

Marking strips; on reel; 7.5 mm wide; not stretchable; plain; snap-on type; translucent

www.wago.com/709-177**Cables and pluggable connectors**

System cable

Item no.: 706-2300/301-300System cable; for Siemens S7-300; 2 x 16 digital inputs or outputs; Length: 3 m; Conductor cross-section: 0.14 mm²www.wago.com/706-2300/301-300**Item no.: 706-2300/301-200**System cable; for Siemens S7-300; 2 x 16 digital inputs or outputs; Length: 2 m; Conductor cross-section: 0.14 mm²www.wago.com/706-2300/301-200**Item no.: 706-2300/100-200**System cable; for Siemens S7-300; 2 x 16 digital inputs; Length: 2 m; Conductor cross-section: 0.34 mm²www.wago.com/706-2300/100-200**Item no.: 706-2300/200-100**System cable; for Siemens S7-300; 2 x 16 digital outputs; Length: 1 m; Conductor cross-section: 0.14 mm²www.wago.com/706-2300/200-100**Item no.: 706-2300/100-100**System cable; for Siemens S7-300; 2 x 16 digital inputs; Length: 1 m; Conductor cross-section: 0.34 mm²www.wago.com/706-2300/100-100**Item no.: 706-2300/100-300**System cable; for Siemens S7-300; 2 x 16 digital inputs; Length: 3 m; Conductor cross-section: 0.34 mm²www.wago.com/706-2300/100-300**Item no.: 706-2300/101-200**System cable; for Siemens S7-300; 16 digital inputs; Length: 2 m; Conductor cross-section: 0.34 mm²www.wago.com/706-2300/101-200**Item no.: 706-2300/200-300**System cable; for Siemens S7-300; 2 x 16 digital outputs; Length: 3 m; Conductor cross-section: 0.14 mm²www.wago.com/706-2300/200-300**Item no.: 706-2300/101-300**System cable; for Siemens S7-300; 16 digital inputs; Length: 3 m; Conductor cross-section: 0.34 mm²www.wago.com/706-2300/101-300**Item no.: 706-2300/200-200**System cable; for Siemens S7-300; 2 x 16 digital outputs; Length: 2 m; Conductor cross-section: 0.14 mm²www.wago.com/706-2300/200-200**Item no.: 706-2300/300-100**

System cable; for Siemens S7-300; 16 digital inputs or outputs; Length: 1 m; Conductor cross-section:

www.wago.com/706-2300/300-100

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

WAGO Kontakttechnik GmbH & Co. KG

Hansastr. 27

32423 Minden

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

Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?

We are always happy to take your call at +49 (571) 887-44222.

0.14 mm²**Item no.: 706-2300/101-100**System cable; for Siemens S7-300; 16 digital inputs; Length: 1 m; Conductor cross-section: 0.34 mm²www.wago.com/706-2300/101-100**Item no.: 706-2300/301-100**System cable; for Siemens S7-300; 2 x 16 digital inputs or outputs; Length: 1 m; Conductor cross-section: 0.14 mm²www.wago.com/706-2300/301-100**Item no.: 706-2300/300-200**System cable; for Siemens S7-300; 16 digital inputs or outputs; Length: 2 m; Conductor cross-section: 0.14 mm²www.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 mm²www.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 mm²www.wago.com/706-7753/301-200

Connecting cable

Item no.: 706-100/1300-200Connection cable; 20-pole; Pluggable connector per DIN 41651; open-ended; Length: 2 m; Conductor cross-section: 0.14 mm²; UR componentswww.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 mm²; UR componentswww.wago.com/706-100/1300-400**Downloads****Documentation****Bid Text**

704-2054 X81 - Datei	2019 Feb 19	xml 3.9 kB	Download
704-2054 doc - Datei	2015 Nov 20	doc 26.1 kB	Download

Additional Information

Disposal and Recycling Electrical and electronic equipment, Batteries, Packaging	V 1.1.0 2022 Aug 18	pdf 2.2 MB	Download
---	------------------------	---------------	----------

System Description

WAGO System Wiring, Selection Guide

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

WAGO Kontakttechnik GmbH & Co. KG
 Hansastr. 27
 32423 Minden
 Phone: +49571 887-0 | Fax: +49571 887-169
 Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
 We are always happy to take your call at +49 (571) 887-44222.



This guide will help you select the appropriate interface modules and system cables for the controller you are using.

pdf
545.9 kB

[Download](#)

CAD/CAE-Data

CAD data

2D/3D Models 704-2054

[URL](#)

[Download](#)

CAE data

EPLAN Data Portal 704-2054

[URL](#)

[Download](#)

WSCAD Universe 704-2054

[URL](#)

[Download](#)

ZUKEN Portal 704-2054

[URL](#)

[Download](#)

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 704-2054

[URL](#)

[Download](#)

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

Installation Notes

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