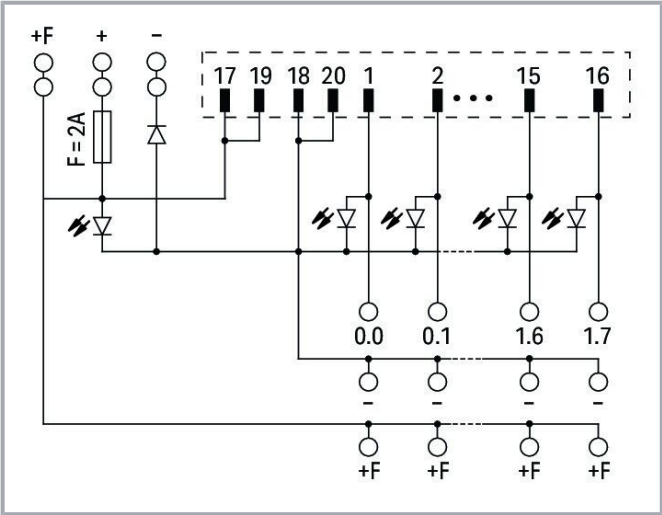
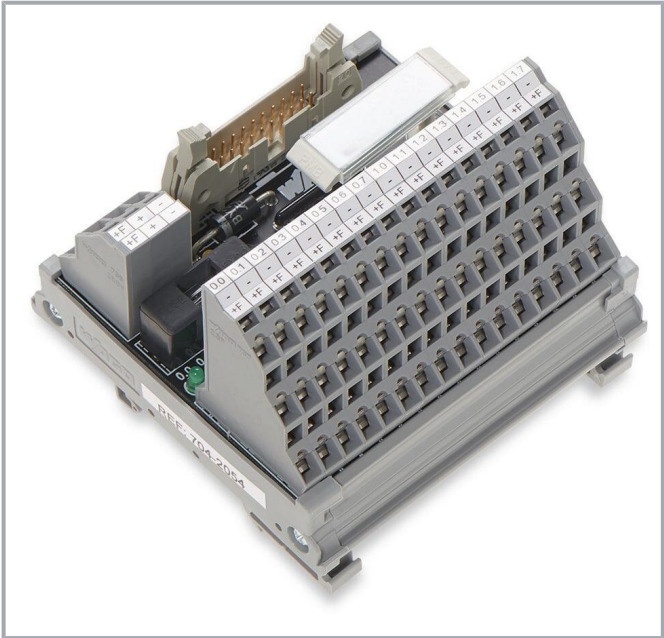


Data sheet | Item number: 704-2054

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
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

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

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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
6ES7 522-1BH01-0AB0

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	6ES7 522-1BH10-0AA0
	6ES7 522-1BL00-0AB0
	6ES7 522-1BL01-0AB0
	6ES7 522-1BL10-0AA0
	6ES7 522-1BP00-0AA0
	6ES7 523-1BL00-0AA0
	6ES7 526-1BH00-0AB0
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
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

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



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
TSX DMZ 28DT
TSX DMZ 28DTK
TSX DMZ 64DTK
TSX DSZ 32T2
TSX DEZ 12D2K
TSX DEZ 32D2

Schneider Twido

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

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
CJ1W-ID232

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



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 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 ² / 28 ... 12 AWG
Fine-stranded conductor 2	0.08 ... 2.5 mm ² / 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

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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
Strip length 3	5 ... 6 mm / 0.2 ... 0.24 inches

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
Recupel Type	
PU (SPU)	1 pcs
Packaging type	box
Country of origin	FR
GTIN	4050821220602
Customs tariff number	85366990990

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Environmental Product Compliance

RoHS Compliance Status

Compliant, No Exemption

Optional accessories

Cables and pluggable connectors

System cable

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

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

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.: 706-100/1300-200**Connection 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

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**

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

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

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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
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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
WSCAD Universe 704-2054	URL	Download
ZUKEN Portal 704-2054	URL	Download

Asset Administration Shell

Asset Administration Shell 704-2054	URL	Download
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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 704-2054
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[URL](#)

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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

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