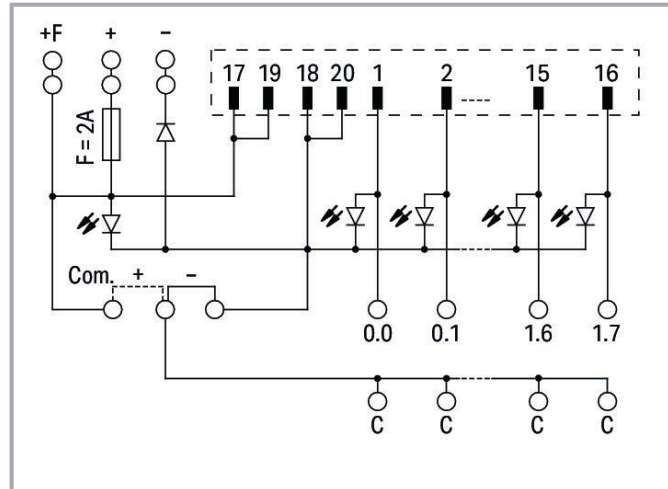


Data sheet | Item number: 704-2024

Interface module for system wiring; Pluggable connector per DIN 41651;
Male connector; 20-pole; 16-channel digital input or output; 2-wire
connection; in mounting carrier

www.wago.com/704-2024



Data

Electrical data

Inputs/outputs	16-channel digital input or output
Circuit type	2-wire connection
Nominal operating voltage	DC 24 V
Operating voltage range	±10 %
Power 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
Pollution degree	2

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.



Connection data

Compatible PLC Modules

WAGO I/O System 750
 WAGO I/O System 753
 Omron CJ1W
 Rockwell Compact Logix
 Rockwell Control Logix
 Schneider Modicon Quantum
 Schneider Modicon M340
 Schneider Twido
 Schneider TSX
 Schneider Modicon TM3
 GE Fanuc RX3i
 GE Fanuc 9030
 Siemens S7-1500
 Siemens S7-400
 Siemens S7-300

Compatible PLC I/O Card Types

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 322-1EH01-0AA0
 6ES7 322-8BH01/8BH10-0AB0
 6ES7 323-1BL00-0AA0
 6ES7 326-1BK01-0AB0
 6ES7 326-1RF00-0AB0
 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 522-1BH00-0AB0

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.



6ES7 522-1BH01-0AB0
6ES7 522-1BH10-0AA0
6ES7 522-1BL00-0AB0
6ES7 522-1BL01-0AB0
6ES7 522-1BL10-0AA0
6ES7 523-1BL00-0AA0
6ES7 526-2BF00-0AB0
6ES7 526-1BH00-0AB0
6ES7 421-7BH01-0AB0
6ES7 421-1BL01-0AA0
6ES7 422-7BL00-0AB0
6ES7 422-1BL00-0AA0
IC693 MDL241
IC693 MDL640
IC693 MDL643
IC693 MDL645
IC693 MDL646
IC693 MDL655
IC693 MDL740
IC693 MDL742
IC693 MDL753
IC694 MDL655
IC694 MDL753
TM3 DI16(G)
TM3 DI16K
TM3 DI32K
TM3 DQ16T(G)
TM3 DQ16TK
TM3 DQ32TK
TSX DEZ 12D2K
TSX DEZ 32D2
TSX DSZ 32T2
TSX DMZ 28DT
TSX DMZ 28DTK
TSX DMZ 64DTK
TSX DEY 16D2
TSX DEY 16FK
TSX DEY 32D2K
TSX DEY 64D2K
TSX DSY 16T2
TSX DSY 32T2K
TSX DSY 64T2K
TSX DMY 28FK
TSX DMY 28RFX
TM2 DDI 16DK
TM2 DDI 32DK
TM2 DDO 16TK
TM2 DDO 32TK

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.



- 140 DDI 353 00
- 140 DDI 364 00
- 140 DSI 353 00
- 140 DDO 353 00
- 140 DDO 353 01
- 140 DDO 364 00
- 140 DVO 853 00
- 140 DDM 390 00
- BMX DDI 1602
- BMX DDI 3202K
- BMX DDI 6402K
- BMX DDO 1602
- BMX DDO 3202K
- BMX DDO 6402K
- BMX DDM 3202K
- 1769 - IQ16
- 1769 - IQ16F
- 1769 - IQ32
- 1769 - IQ32T
- 1769 - OB16
- 1769 - OB16P
- 1769 - OB32
- 1769 - OB32T
- 1756 - IB16I
- 1756 - IB16ISOE
- 1756 - IB32
- 1756 - OB16E
- 1756 - OB16I
- 1756 - OB16IS
- 1756 - OB32
- 753-430 (x2)
- 753-431 (x2)
- 753-530 (x2)
- 750-1502
- 750-1500
- 750-1400
- CJ1W-ID211
- CJ1W-ID231
- CJ1W-ID232
- CJ1W-ID261
- CJ1W-ID262
- CJ1W-IDP01
- CJ1W-INT01
- CJ1W-OD212
- CJ1W-OD232
- CJ1W-OD262
- CJ1W-MD232

Connection type (1)	System
---------------------	--------

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.



Pole number 1	20
Pluggable connectors	DIN 41651 male connector
Mating direction	vertical
Connection type 2	Field
Pole number 2	32
Design 2	PCB terminal blocks (double-deck)
WAGO Connector 2	WAGO 736 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 inch
Connection type (3)	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
Strip length 3	5 ... 6 mm / 0.2 ... 0.24 inch
Note (conductor cross-section)	12 AWG: THHN, THWN

Physical data

Width	85 mm / 3.346 inch
Height from upper-edge of DIN-rail	50 mm / 1.969 inch
Depth	85 mm / 3.346 inch

Mechanical data

Mounting type	DIN-35 rail
---------------	-------------

Material data

Fire load	1.7 MJ
Weight	112.3 g

Environmental requirements

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

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.



Commercial data

Product Group	30 ()
Packaging type	BOX
Country of origin	FR
GTIN	4050821220657
Customs tariff number	85366990990

Optional accessories

Marking accessories

	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.: 709-177 Marking strips; on reel; 7.5 mm wide; not stretchable; plain; snap-on type; translucent	www.wago.com/709-177
	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.: 709-196 Marking strips; for laser printer; translucent	www.wago.com/709-196
	Item no.: 709-198 Marking strips; white	www.wago.com/709-198

Cables and pluggable connectors

	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 ² ; UR components	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 ² ; UR components	www.wago.com/706-100/1300-400
	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.: 706-2300/100-200 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.: 706-2300/100-300 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.: 706-2300/101-100 System cable; for Siemens S7-300; 16 digital inputs; Length: 1 m; Conductor cross-section: 0.34 mm ²	www.wago.com/706-2300/101-100

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.



	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.: 706-2300/101-300 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.: 706-2300/200-100 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.: 706-2300/200-200 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.: 706-2300/200-300 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.: 706-2300/300-100 System cable; for Siemens S7-300; 16 digital inputs or outputs; Length: 1 m; Conductor cross-section: 0.14 mm ²	www.wago.com/706-2300/300-100
	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 mm ²	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 ²	www.wago.com/706-2300/300-300
	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 mm ²	www.wago.com/706-2300/301-100
	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.: 706-2300/301-300 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.: 706-7753/301-200 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 ²	www.wago.com/706-7753/301-200

Downloads

Documentation

Bid Text

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.



704-2024 doc - Datei	2015 Nov 20	doc 26.1 kB	Download
-------------------------	-------------	----------------	----------

704-2024 X81 - Datei	2019 Feb 19	xml 3.9 kB	Download
-------------------------	-------------	---------------	----------

Additional Information

Disposal; Electrical and electronic equipment, Packaging	V 1.0.0	pdf 265.8 kB	Download
--	---------	-----------------	----------

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 using.		pdf 545.9 kB	Download
--	--	-----------------	----------

CAD/CAE-Data

CAD data

2D/3D Models 704-2024	URL	Download
-----------------------	-----	----------

CAE data

EPLAN Data Portal 704-2024	URL	Download
----------------------------	-----	----------

WSCAD Universe 704-2024	URL	Download
-------------------------	-----	----------

ZUKEN Portal 704-2024	URL	Download
-----------------------	-----	----------

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 704-2024 Interface module for system wiring; Pluggable connector per DIN 41651; Male connector; 20-pole; 16-channel digital input or output; 2-wire connection; in mounting carrier	URL	Download
---	-----	----------

Installation Notes

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.