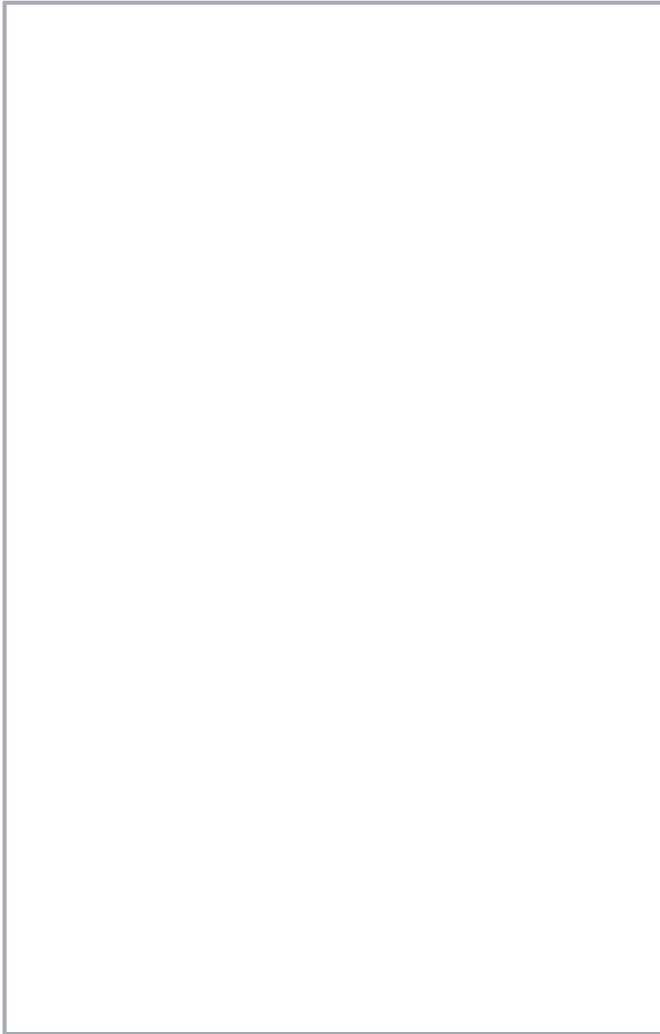Interface module for system wiring; Pluggable connector per DIN 41651;
Male connector; 20-pole; 16-channel digital input or output; 2-wire
connection; in mounting carrier

www.wago.com/704-2044

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 %
Current consumption (status indication)	5 mA

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

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Total current	2 A
Limiting continuous current	1 A
Status indicator	Green LED (channel) Yellow LED (power supply)
Internal fuse	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

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

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

	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
	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

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

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	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
	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

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

		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
	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

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

Connection 2

Design 2	PCB terminal blocks
Pole number 2	16
Connection type 2	Field
WAGO connector 2	WAGO 742 Series
Solid conductor 2	0.08 … 2.5 mm² / 28 … 12 AWG
Fine-stranded conductor 2	0.08 … 2.5 mm² / 28 … 12 AWG
Strip length 2	8 … 9 mm / 0.31 … 0.35 inches

Connection 3

Design 3	PCB terminal blocks
Pole number 3	16
Connection type 3	Field
WAGO connector 3	WAGO 236 Series
Solid conductor 3	0.08 … 2.5 mm² / 28 … 12 AWG
Fine-stranded conductor 3	0.08 … 2.5 mm² / 28 … 12 AWG
Strip length 3	5 … 6 mm / 0.2 … 0.24 inches

Connection 4

Design 4	PCB terminal blocks (double-deck)
Pole number 4	6
Connection type 4	Power supply
WAGO connector 4	WAGO 736 Series
Solid conductor 4	0.08 … 2.5 mm² / 28 … 12 AWG
Fine-stranded conductor 4	0.08 … 2.5 mm² / 28 … 12 AWG
Strip length 4	5 … 6 mm / 0.2 … 0.24 inches

Physical data

Width	99 mm / 3.898 inches
Height	85 mm / 3.346 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	2.955 MJ
Weight	184.1 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	4050821220619
Customs tariff number	85366990990

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 mm²	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 mm²	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 mm²	www.wago.com/706-2300/100-200
Item no.: 706-2300/200-100	

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

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

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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 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 mm²; UR components	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
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

Downloads
Documentation

Bid Text

704-2044 X81 - Datei	2019 年2月19 日	xml 3.9 kB	Download
704-2044 doc - Datei	2015 年11 月20 日	doc 26.1 kB	Download

Additional Information

Disposal and Recycling Electrical and electronic equipment, Batteries, Packaging	V 1.1.0 2022 年8月18 日	pdf 2.2 MB	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 usng.		pdf 545.9 kB	Download

CAD/CAE-Data

CAE data

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EPLAN Data Portal 704-2044	URL	Download

WSCAD Universe 704-2044	URL	Download

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 704-2044	URL	Download

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

Installation Notes

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