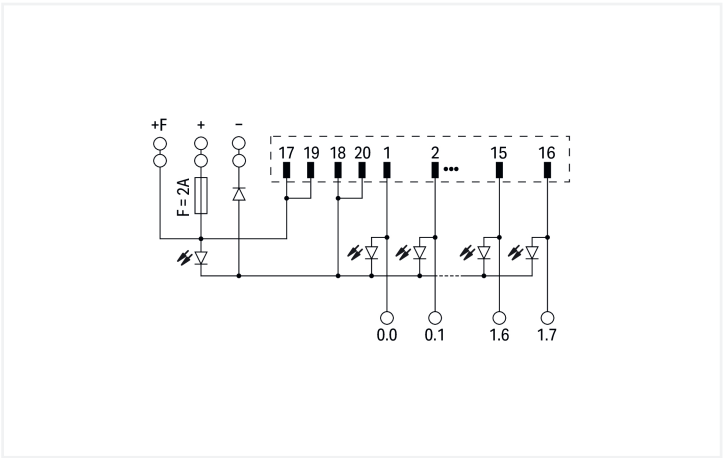


Data Sheet | Item Number: 704-2004

Interface module for system wiring; Pluggable connector per DIN 41651; Male connector; 20-pole; 16-channel digital input or output; 1-wire connection; in mounting carrier

<https://www.wago.com/704-2004>



Electrical data	
Inputs/outputs	16-channel digital input or output
Circuit type	1-wire connection
Nominal operating voltage	24 VDC
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 impulse withstand voltage	0.8 kV
Pollution degree	2

Compatibility	
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
Schneider Modicon M340	TM3 DQ32TK
	BMX DDI 1602
	BMX DDI 3202K
	BMX DDI 6402K
	BMX DDO 1602
Schneider Modicon Quantum	BMX DDO 3202K
	BMX DDO 6402K
	BMX DDM 3202K
	140 DDI 353 00
	140 DDI 364 00
Schneider TSX	140 DDO 353 00
	140 DDO 353 01
	140 DDO 364 00
	140 DDM 390 00
	140 DSI 353 00
Schneider Twido	140 DVO 853 00
	TSX DEY 16D2
	TSX DEY 16FK
	TSX DEY 32D2K
	TSX DEY 64D2K
	TSX DMY 28FK
	TSX DMY 28RFX
	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
	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
Rockwell Control Logix	1769 - OB16P
	1769 - OB32
	1769 - OB32T
	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
	753-430 (x2)
	753-431 (x2)
WAGO I/O System 753	753-530 (x2)

Connection Data			
Connection 1		Connection 2	
Pluggable connector	Pluggable connector per DIN 41651; male connector	Design	PCB terminal blocks (double-deck)
Pole number 1	20	Pole number	16
Connection type	System	Connection type	Field
Note (conductor cross-section)	12 AWG: THHN, THWN	WAGO connector	WAGO 736 Series
Mating direction	vertical	Solid conductor	0.08 ... 2.5 mm² / 28 ... 12 AWG
		Fine-stranded conductor	0.08 ... 2.5 mm² / 28 ... 12 AWG
		Strip length	5 ... 6 mm / 0.2 ... 0.24 inches



Connection 3	
Design	PCB terminal blocks (double-deck)
Pole number	6
Connection type	Power supply
WAGO connector	WAGO 736 Series
Solid conductor	0.08 ... 2.5 mm² / 28 ... 12 AWG
Fine-stranded conductor	0.08 ... 2.5 mm² / 28 ... 12 AWG
Strip length	5 ... 6 mm / 0.2 ... 0.24 inches

Physical data	
Width	55 mm / 2.165 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

Material data	
Fire load	1.194 MJ
Weight	80 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)
PU (SPU)	1 pcs
Packaging type	Box
Country of origin	FR
GTIN	4050821161998
Customs tariff number	85366990990

Product Classification	
UNSPSC	39121421
eCl@ss 10.0	27-14-11-52
eCl@ss 9.0	27-14-11-52
ETIM 9.0	EC002780
ETIM 10.0	EC002780
ECCN	NO US CLASSIFICATION



Environmental Product Compliance	
RoHS Compliance Status	Compliant,No Exemption

Downloads

Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 704-2004	↓

Documentation

Bid Text			
704-2004	19.02.2019	xml 3.77 KB	↓
704-2004	20.11.2015	doc 25.50 KB	↓

CAD/CAE-Data

CAD data		CAE data	
2D/3D Models 704-2004	↓	EPLAN Data Portal 704-2004	↓
		WSCAD Universe 704-2004	↓
		ZUKEN Portal 704-2004	↓

1 Compatible Products

1.1 Optional Accessories

1.1.1 Cables and connectors

1.1.1.1 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 components

[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



1.1.1.2 System cable



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



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



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



Item No.: 706-2300/101-100
System cable; for Siemens S7-300; 16 digital inputs; Length: 1 m; Conductor cross-section: 0.34 mm²



Item No.: 706-2300/101-200
System cable; for Siemens S7-300; 16 digital inputs; Length: 2 m; Conductor cross-section: 0.34 mm²



Item No.: 706-2300/101-300
System cable; for Siemens S7-300; 16 digital inputs; Length: 3 m; Conductor cross-section: 0.34 mm²



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



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



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



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



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



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



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 mm²



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



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



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

1.1.2 Marking

1.1.2.1 Marking strip



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



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



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



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