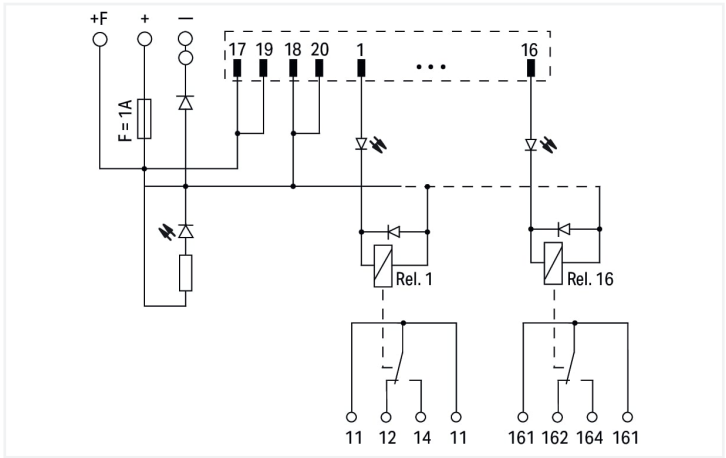
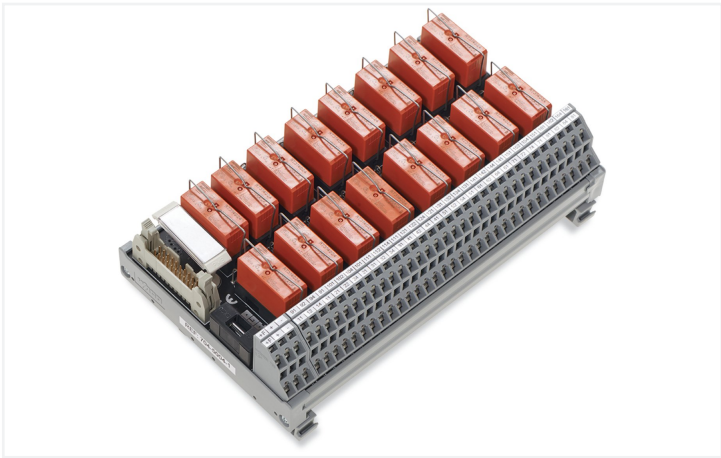


Data Sheet | Item Number: 704-5004

Interface module for system wiring; Pluggable connector per DIN 41651; Male connector; 20-pole; 16-channel relay output; 1 changeover contact; Double-deck PCB terminal blocks; in mounting carrier; 2,50 mm²

<https://www.wago.com/704-5004>



Notes	
Note	Independent of the relay used, the maximum continuous current is 5 A per channel.

Electrical data	
Inputs/outputs	16-channel relay output
Nominal operating voltage	24 VDC
Operating voltage range	±10 %
Number of changeover/switchover contacts	1
Limiting continuous current	5 A
Making capacity	2 ms 16 A
Switching Voltage, Max.	250 VAC; 48 VDC
Switching power (resistive) max.	AC 1250 VA; DC 50 W
Mechanical life	30 x 10 ⁶ switching operations
Status indicator	Green LED (channel) Yellow LED (power supply)
Internal fuse	Supply: 1 A; Relay output: -
WAGO Basic Relay	788-154

Safety and protection	
Rated Voltage	50 V
Rated impulse withstand voltage	0.8 kV
Pollution degree	2
Dielectric strength (control/load circuit) (AC, 1 min)	2.5 kVrms
Dielectric strength (load/load circuit) (AC, 1 min)	1 kVrms

Compatibility	
GE Fanuc	
GE Fanuc 9030	IC693 MDL740 IC693 MDL742 IC693 MDL753
GE Fanuc RX3i	IC694 MDL753



Schneider	
Schneider Modicon TM3	TM3 DQ16T(G) TM3 DQ16TK TM3 DQ32TK
Schneider Modicon M340	BMX DDO 1602 BMX DDO 3202K BMX DDO 6402K BMX DDM 3202K
Schneider Modicon Quantum	140 DDO 353 00 140 DDO 353 01 140 DDO 364 00 140 DVO 853 00
Schneider TSX	TSX DSY 16T2 TSX DSY 32T2K TSX DSY 64T2K TSX DMY 28FK TSX DMY 28RFX TSX DSZ 32T2 TSX DMZ 28DT TSX DMZ 28DTK TSX DMZ 64DTK
Schneider Twido	TM2 DDO 16TK TM2 DDO 32TK

Omron	
Omron CJ1W	CJ1W-MD232 CJ1W-OD212 CJ1W-OD232 CJ1W-OD262

Rockwell	
Rockwell Compact Logix	1769 - OB16 1769 - OB16P 1769 - OB32 1769 - OB32T

Rockwell Control Logix	1756 - OB16E 1756 - OB32
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WAGO	
WAGO I/O System 750	750-1500
WAGO I/O System 753	753-530 (x2)

Connection data

Connection 1	
Pluggable 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 (double-deck)
Pole number 2	64
Connection type	Field
WAGO connector 2	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

Connection 3	
Design 3	PCB terminal blocks (double-deck)
Pole number 3	6
Connection type	Power supply
WAGO connector 3	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	180 mm / 7.087 inches
Height	105 mm / 4.134 inches
Depth from upper-edge of DIN-rail	50 mm / 1.969 inches

Mechanical data	
Mounting type	DIN-35 rail

Material data	
Contact material (relay)	AgNi 90/10
Fire load	5.966 MJ
Weight	550 g

Environmental requirements	
Ambient temperature (operation)	-25 ... +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 9.0	EC002780
ETIM 8.0	EC002780
PU (SPU)	1 pcs
Packaging type	Box
Country of origin	FR
GTIN	4045454980108
Customs tariff number	85366990990

Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption

Approvals / Certificates

General approvals			Declarations of conformity and manufacturer's declarations		
			Approval	Standard	Certificate Name
EAC	TP TC 004/2011	EAC CoC 03084	EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
GZO Almaty Standart			UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-



Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 704-5004

Download icon

Documentation

System Description

WAGO System Wiring, Selection Guide

pdf

533.15 KB

Download icon

Bid Text

704-5004

19.02.2019

xml

4.13 KB

Download icon

704-5004

20.11.2015

doc

27.00 KB

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CAD/CAE-Data

CAD data

2D/3D Models 704-5004

Download icon

CAE data

EPLAN Data Portal 704-5004

Download icon

WSCAD Universe 704-5004

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1 Compatible Products

1.1 Optional Accessories

1.1.1 Basic relay

1.1.1.1 Basic relay



Item No.: 788-154
Basic relay; Nominal input voltage: 24 VDC; 1 changeover contact; Limiting continuous current: 16 A; Module width: 13 mm; Module height: 15 mm

1.1.2 Cables and connectors

1.1.2.1 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



1.1.2.2 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.: 706-2300/301-100
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.: 706-2300/200-100
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

1.1.3 Marking

1.1.3.1 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