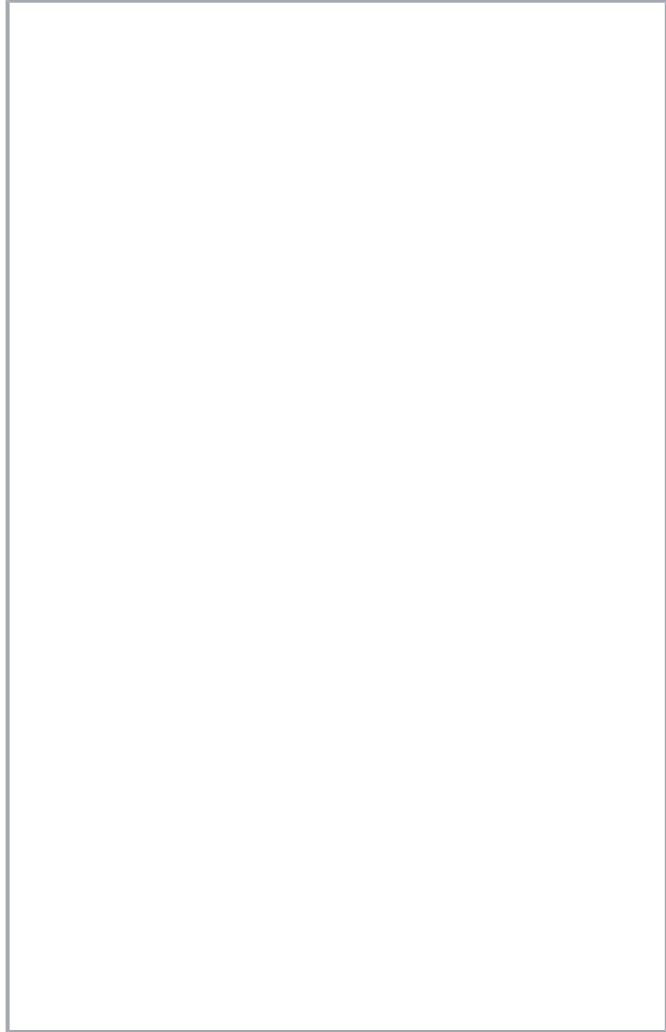
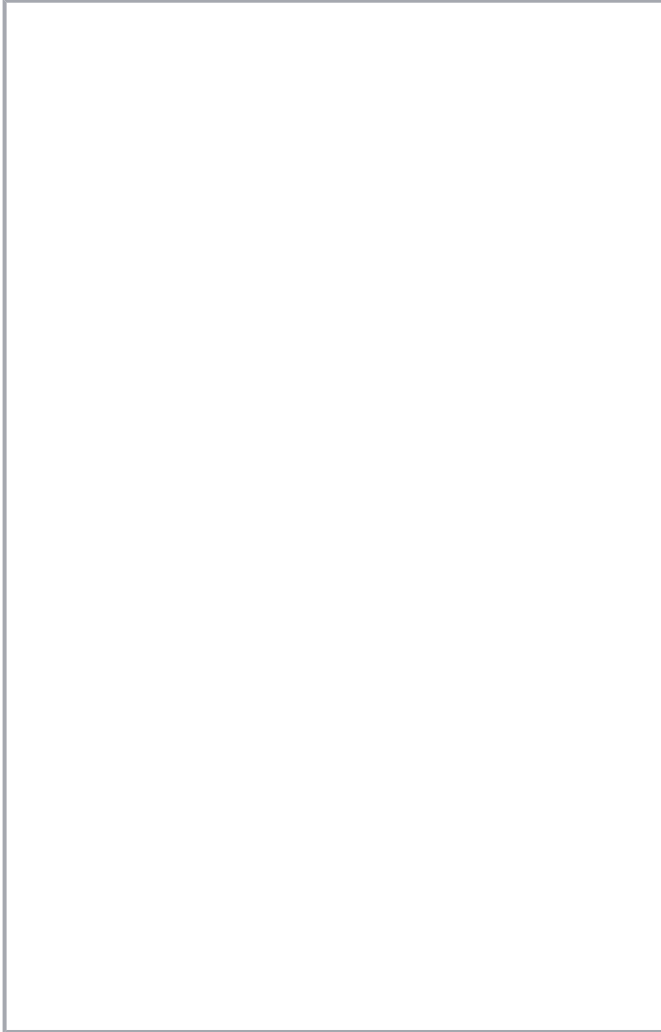


Data sheet | Item number: 704-5004

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



www.wago.com/704-5004



**Data
Notes**

Note

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

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

WAGO GmbH & Co. KG
Hansastr. 27
32423 Minden
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Electrical data

| | |
|--|--|
| Inputs/outputs | 16-channel relay output |
| Nominal operating voltage | DC 24 V |
| Operating voltage range | ±10 % |
| Number of changeover/switchover contacts | 1 |
| Limiting continuous current | 5 A |
| Making capacity | 2 ms 16 A |
| Switching voltage (max.) | AC 250 V; DC 48 V |
| 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 surge 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

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 322-1BH01-0AA0 6ES7 322-1BH10-0AA0 6ES7 322-1BH80-0AA0 6ES7 322-1BL00-0AA0 6ES7 322-1BP00-0AA0 |
|----------------|---|

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| | |
|-----------------|--|
| | 6ES7 322-1EH01-0AA0 6ES7 322-8BH01/8BH10-0AB0 6ES7 323-1BL00-0AA0 |
| Siemens S7-400 | 6ES7 422-1BL00-0AA0 |
| Siemens S7-1500 | 6ES7 511-1CK00-0AB0 6ES7 512-1CK00-0AB0 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 132-6BH00-0AA0 6ES7 132-6BH00-2AA0 6ES7 132-6BH01-0BA0 6ES7 132-6BH01-2BA0 |

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 28RFK TSX DSZ 32T2 TSX DMZ 28DT |

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



TSX DMZ 28DTK
TSX DMZ 64DTK

Schneider Twido

TM2 DDO 16TK
TM2 DDO 32TK

Rockwell

Rockwell Compact Logix

1769 - OB16
1769 - OB16P
1769 - OB32
1769 - OB32T

Rockwell Control Logix

1756 - OB16E
1756 - OB32

Omron

Omron CJ1W

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

WAGO

WAGO I/O System 750

750-1500

WAGO I/O System 753

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 (double-deck)

Pole number 2

64

Connection type 2

Field

WAGO connector 2

WAGO 736 Series

Solid conductor 2

0.08 ... 2.5 mm² / 28 ... 12 AWG

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

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| | |
|---------------------------|--|
| 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 |
| 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 | 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 8.0 | EC002780 |
| ETIM 7.0 | EC002780 |

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

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| | |
|-----------------------|---------------|
| 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

| Logo | Approval | Additional Approval Text | Certificate name |
|------|---|--------------------------|-----------------------------|
| | EAC Brjansker Zertifizierungsstelle | TP TC 004/2011 | EAC RU C-DE.AM02.B.00122/19 |

Declarations of conformity and manufacturer's declarations

| Logo | Approval | Additional Approval Text | Certificate name |
|------|---|--------------------------|------------------|
| | EU-Declaration of Conformity WAGO GmbH & Co. KG | - | - |
| | UK-Declaration of Conformity WAGO GmbH & Co. KG | - | - |

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.: 706-2300/200-100 | 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.: 706-2300/200-300 | | |

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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.: 706-2300/200-200

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.: 706-2300/301-100

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

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

Basic Relay

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

www.wago.com/788-154

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

www.wago.com/709-178

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

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Marking strips; on reel; 7.5 mm wide; 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

www.wago.com/709-177

Downloads

Documentation

Bid Text

| | | | |
|-------------------------|---------------|----------------|----------|
| 704-5004 X81 - Datei | 2019 年2月19 日 | xml 4.2 kB | Download |
| 704-5004 doc - Datei | 2015 年11月20 日 | doc 27.6 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

| | | | |
|----------------------------|--|-----|----------|
| EPLAN Data Portal 704-5004 | | URL | Download |
| WSCAD Universe 704-5004 | | URL | Download |

CAD data

| | | | |
|-----------------------|--|-----|----------|
| 2D/3D Models 704-5004 | | URL | Download |
|-----------------------|--|-----|----------|

Environmental Product Compliance

Compliance Search

| | | | |
|---|--|-----|----------|
| Environmental Product Compliance 704-5004 | | URL | Download |
|---|--|-----|----------|

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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

Installation Notes

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