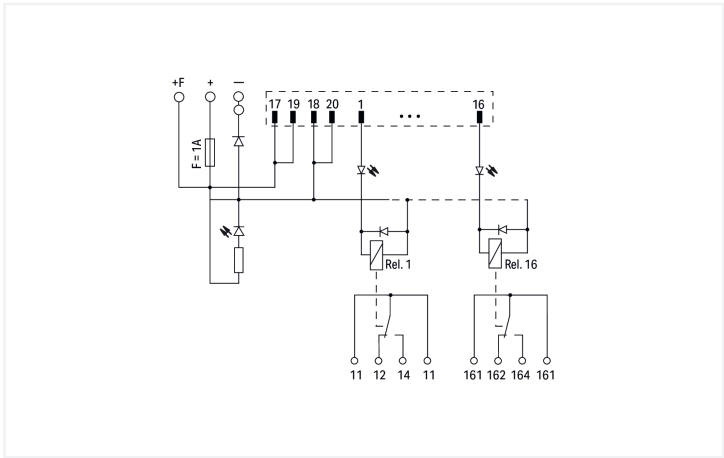
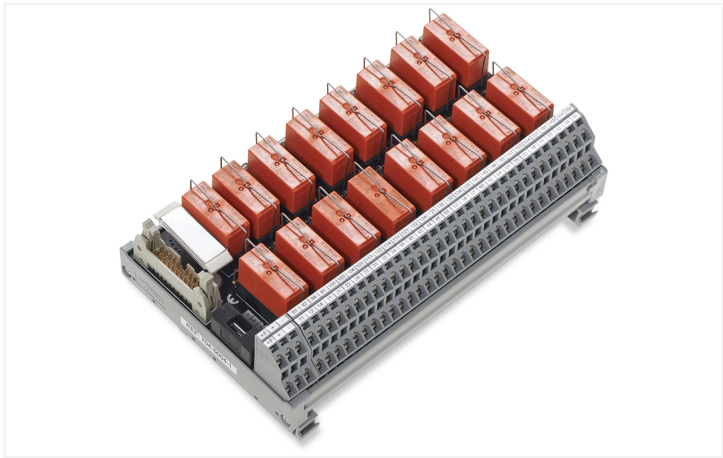


**Data Sheet | Item Number: 704-5004**

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 <sup>6</sup> switching operations        |
| Status indicator                         | Green LED (channel)<br>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   |                           |               |              |
|-----------------|---------------------------|---------------|--------------|
| Siemens         |                           | GE Fanuc      |              |
| Siemens S7-300  | 6ES7 313-5BE01-0AB0       | GE Fanuc 9030 | IC693 MDL740 |
|                 | 6ES7 313-5BG04-0AB0       |               | IC693 MDL742 |
|                 | 6ES7 313-6BE01-0AB0       |               | IC693 MDL753 |
|                 | 6ES7 313-6BF03-0AB0       | GE Fanuc RX3i | IC694 MDL753 |
|                 | 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       |               |              |
|                 | 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       |               |              |

| Schneider                 |                | Rockwell               |              |
|---------------------------|----------------|------------------------|--------------|
| Schneider Modicon TM3     | TM3 DQ16T(G)   | Rockwell Compact Logix | 1769 - OB16  |
|                           | TM3 DQ16TK     |                        | 1769 - OB16P |
|                           | TM3 DQ32TK     |                        | 1769 - OB32  |
| Schneider Modicon M340    | BMX DDO 1602   |                        | 1769 - OB32T |
|                           | BMX DDO 3202K  | Rockwell Control Logix | 1756 - OB16E |
|                           | BMX DDO 6402K  |                        | 1756 - OB32  |
|                           | 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   |                        |              |
|                           | TSX DMZ 28DTK  |                        |              |
|                           | TSX DMZ 64DTK  |                        |              |
| Schneider Twido           | TM2 DDO 16TK   |                        |              |
|                           | TM2 DDO 32TK   |                        |              |

| Omron      |            | WAGO                |              |
|------------|------------|---------------------|--------------|
| Omron CJ1W | CJ1W-MD232 | WAGO I/O System 750 | 750-1500     |
|            | CJ1W-OD212 |                     |              |
|            | CJ1W-OD232 | WAGO I/O System 753 | 753-530 (x2) |
|            | CJ1W-OD262 |                     |              |



| 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             | 64                                |
| 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                             | 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                | 5.842 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) |
| PU (SPU)              | 1 pcs            |
| Packaging type        | Box              |
| Country of origin     | FR               |
| GTIN                  | 4045454980108    |
| Customs tariff number | 85366990990      |



| Product Classification |                      |
|------------------------|----------------------|
| UNSPSC                 | 39121529             |
| 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 |

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

| Downloads                                    |                                                                                     |
|----------------------------------------------|-------------------------------------------------------------------------------------|
| Environmental Product Compliance             |                                                                                     |
| Compliance Search                            |                                                                                     |
| Environmental Product<br>Compliance 704-5004 |  |

| Documentation |            |                 |                                                                                     |
|---------------|------------|-----------------|-------------------------------------------------------------------------------------|
| Bid Text      |            |                 |                                                                                     |
| 704-5004      | 19.02.2019 | xml<br>4.13 KB  |  |
| 704-5004      | 20.11.2015 | doc<br>27.00 KB |  |

| CAD/CAE-Data                                                                                                 |                                                                                                                     |
|--------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| CAD data                                                                                                     | CAE data                                                                                                            |
| 2D/3D Models<br>704-5004  | EPLAN Data Portal<br>704-5004  |
|                                                                                                              | WSCAD Universe<br>704-5004     |

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 mm<sup>2</sup>; 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 mm<sup>2</sup>; 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 mm<sup>2</sup>



**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<sup>2</sup>



**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<sup>2</sup>



**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<sup>2</sup>



**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<sup>2</sup>



**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<sup>2</sup>



**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<sup>2</sup>



**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<sup>2</sup>



**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<sup>2</sup>



**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<sup>2</sup>

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

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

Current addresses can be found at: [www.wago.com](http://www.wago.com)