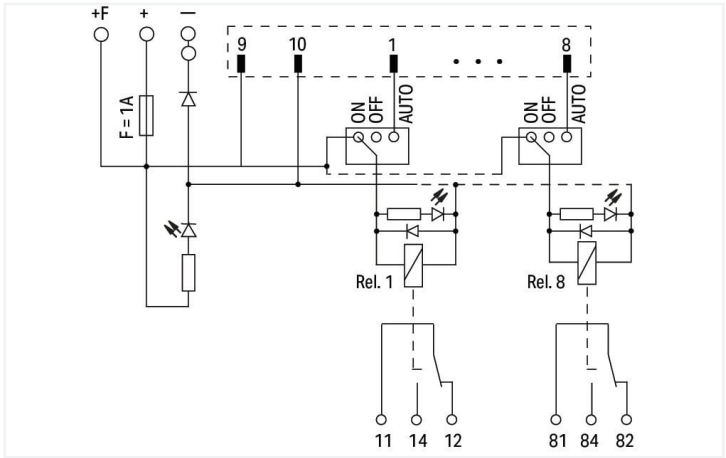
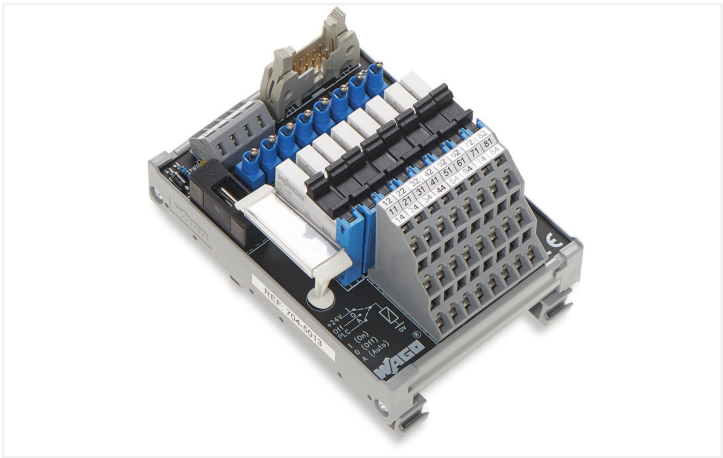


Data Sheet | Item Number: 704-5013

Interface module for system wiring; Pluggable connector per DIN 41651; Male connector; 10-pole; 8-channel relay output; 1 changeover contact; Triple-deck PCB terminal blocks; with manual operation; in mounting carrier; 2,50 mm²

<https://www.wago.com/704-5013>



| Electrical data                          |                                                  |
|------------------------------------------|--------------------------------------------------|
| Inputs/outputs                           | 8-channel relay output                           |
| Nominal operating voltage                | DC 24 V                                          |
| Operating voltage range                  | ±10 %                                            |
| Number of changeover/switchover contacts | 1                                                |
| Limiting continuous current              | 5 A                                              |
| Switching voltage (max.)                 | AC 250 V; DC 48 V                                |
| Switching power (resistive) max.         | AC 1250 VA; DC 50 W                              |
| Mechanical life                          | 10 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                         | 857-152                                          |
| Specialty functions                      | With manual operation                            |

| Safety and protection                                  |         |
|--------------------------------------------------------|---------|
| Rated voltage                                          | 50 V    |
| Rated surge voltage                                    | 0.8 kV  |
| Pollution degree                                       | 2       |
| Dielectric strength (control/load circuit) (AC, 1 min) | 4 kVrms |
| Dielectric strength (load/load circuit) (AC, 1 min)    | 1 kVrms |

| Compatibility   |                              |
|-----------------|------------------------------|
| Siemens         |                              |
| Siemens S7-300  | 6ES7 322-1BF01-0AA0          |
|                 | 6ES7 322-8BF00-0AB0          |
|                 | 6ES7 323-1BH01-0AA0          |
|                 | 6ES7 327-1BH00-0AB0          |
|                 | 6ES7 326-2BF01-0AB0          |
|                 | 6ES7 326-2BF10-0AB0          |
| Siemens S7-1500 | 6ES7 522-1BF00-0AB0          |
| Siemens ET200SP | 6ES7 132-6BF00-0CA0          |
|                 | 6ES7 132-6BF01-0AA0          |
|                 | 6ES7 132-6BF01-0BA0          |
| GE Fanuc        |                              |
| GE Fanuc 9030   | IC693 MDL730<br>IC693 MDL732 |



| Schneider                 |                |
|---------------------------|----------------|
| Schneider Modicon TM3     | TM3 DQ8T(G)    |
| Schneider Modicon M340    | BMX DDM 16022  |
| Schneider Modicon Quantum | 140 DDM 390 00 |
| Schneider TSX             | TSX DSY 08T2   |

| Omron      |            |
|------------|------------|
| Omron CJ1W | CJ1W-OD204 |

| Rockwell               |            |
|------------------------|------------|
| Rockwell Compact Logix | 1769 - OB8 |

| WAGO                |              |
|---------------------|--------------|
| WAGO I/O System 750 | 750-1502     |
| WAGO I/O System 753 | 753-530 (x1) |

Connection data

| Connection 1                   |                                     |
|--------------------------------|-------------------------------------|
| Connector                      | DIN 41651 connector; male connector |
| Pole number 1                  | 10                                  |
| Connection type 1              | System                              |
| Note (conductor cross-section) | 12 AWG: THHN, THWN                  |
| Mating direction               | vertical                            |

| Connection 2              |                                   |
|---------------------------|-----------------------------------|
| Design 2                  | PCB terminal blocks (triple-deck) |
| Pole number 2             | 24                                |
| Connection type 2         | Field                             |
| WAGO connector 2          | WAGO 737 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            | 5 ... 6 mm / 0.2 ... 0.24 inches  |

| Connection 3              |                                  |
|---------------------------|----------------------------------|
| Design 3                  | PCB terminal blocks              |
| Pole number 3             | 4                                |
| Connection type 3         | Power supply                     |
| 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 |

Physical data

|                                   |                       |
|-----------------------------------|-----------------------|
| Width                             | 75 mm / 2.953 inches  |
| Height                            | 105 mm / 4.134 inches |
| Depth from upper-edge of DIN-rail | 65 mm / 2.559 inches  |

Mechanical data

|               |             |
|---------------|-------------|
| Mounting type | DIN-35 rail |
|---------------|-------------|

Material data

|                          |                    |
|--------------------------|--------------------|
| Contact material (relay) | AgSnO <sub>2</sub> |
| Fire load                | 1.304 MJ           |
| Weight                   | 240 g              |



| Environmental requirements      |                        |  |
|---------------------------------|------------------------|--|
| Ambient temperature (operation) | -25 ... +40 °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                  | 4045454980115    |  |
| 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                | Approval                                                   | Standard | Certificate Name |
| EAC<br>Brjansker Zertifizierungs-<br>stelle                                        | TP TC 004/2011 | EAC RU C-DE.AM02.<br>B.00122/19 | UK-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG    | -        | -                |

Downloads

| Environmental Product Compliance             |                                                                                     |
|----------------------------------------------|-------------------------------------------------------------------------------------|
| Compliance Search                            |                                                                                     |
| Environmental Product<br>Compliance 704-5013 |  |

Documentation

| System Description                     |                  |                                                                                     | Bid Text |            |                                                                                                          |
|----------------------------------------|------------------|-------------------------------------------------------------------------------------|----------|------------|----------------------------------------------------------------------------------------------------------|
| WAGO System Wiring,<br>Selection Guide | pdf<br>533.15 KB |  | 704-5013 | 19.02.2019 | xml<br>4.15 KB<br>  |
|                                        |                  |                                                                                     | 704-5013 | 20.11.2015 | doc<br>26.50 KB<br> |



CAD/CAE-Data

| CAE data                      |  |
|-------------------------------|--|
| EPLAN Data Portal<br>704-5013 |  |
| WSCAD Universe<br>704-5013    |  |

1 Compatible Products

1.1 Optional Accessories

1.1.1 Basic relay

1.1.1.1 Basic relay



**Item No.: 857-152**  
Basic relay; Nominal input voltage: 24 VDC; 1 changeover contact; Limiting continuous current: 6 A; Module width: 5 mm; Module height: 15 mm

1.1.2 Cables and connectors

1.1.2.1 Connecting cable



**Item No.: 706-100/1301-200**  
Connection cable; 10-pole; Pluggable connector per DIN 41651; open-ended; Length: 2 m; Conductor cross-section: 0.14 mm²; UR components

1.1.2.2 System cable



**Item No.: 706-2300/201-100**  
System cable; for Siemens S7-300; 8 digital outputs; Length: 1 m; Conductor cross-section: 0.14 mm²



**Item No.: 706-2300/201-200**  
System cable; for Siemens S7-300; 8 digital outputs; Length: 2 m; Conductor cross-section: 0.14 mm²



**Item No.: 706-2300/201-300**  
System cable; for Siemens S7-300; 8 digital outputs; Length: 3 m; Conductor cross-section: 0.14 mm²



**Item No.: 706-7753/302-100**  
System cable; for WAGO-I/O-SYSTEM, 750 Series; 8 digital inputs and 8 digital outputs; Length: 1 m; Conductor cross-section: 0.14 mm²



**Item No.: 706-7753/302-200**  
System cable; for WAGO-I/O-SYSTEM, 750 Series; 8 digital inputs and 8 digital outputs; Length: 2 m; Conductor cross-section: 0.14 mm²



**Item No.: 706-7753/300-100**  
System cable; for WAGO-I/O-SYSTEM, 753 Series; 8 digital inputs or outputs; Length: 1 m; Conductor cross-section: 0.14 mm²



**Item No.: 706-7753/300-200**  
System cable; for WAGO-I/O-SYSTEM, 753 Series; 8 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