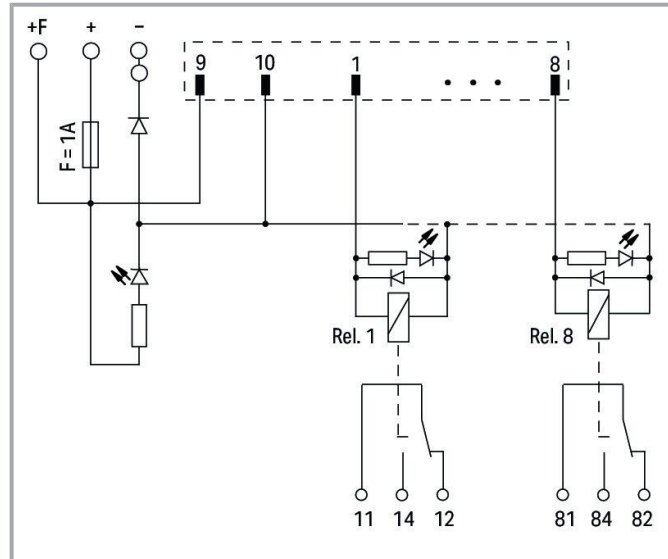
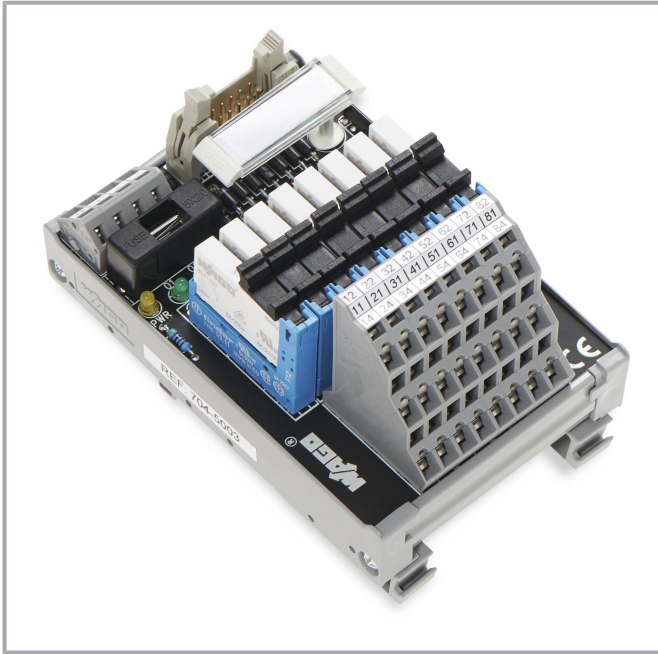


## Data sheet | Item number: 704-5003

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; in mounting carrier; 2,50 mm<sup>2</sup>



[www.wago.com/704-5003](http://www.wago.com/704-5003)



## Data

### 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  |

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

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## 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<br>6ES7 322-8BF00-0AB0<br>6ES7 323-1BH01-0AA0<br>6ES7 327-1BH00-0AB0<br>6ES7 326-2BF01-0AB0<br>6ES7 326-2BF10-0AB0 |
| Siemens S7-1500 | 6ES7 522-1BF00-0AB0  |
| Siemens ET200SP | 6ES7 132-6BF00-0CA0<br>6ES7 132-6BF01-0AA0<br>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   |

### Rockwell

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

### Omron

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

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



## 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 mm <sup>2</sup> / 28 ... 12 AWG |
| Fine-stranded conductor 2 | 0.08 ... 2.5 mm <sup>2</sup> / 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 mm <sup>2</sup> / 28 ... 12 AWG |
| Fine-stranded conductor 3 | 0.08 ... 2.5 mm <sup>2</sup> / 28 ... 12 AWG |
| Strip length 3            | 5 ... 6 mm / 0.2 ... 0.24 inches             |

## Physical data

|                                   |                       |
|-----------------------------------|-----------------------|
| Width                             | 70 mm / 2.756 inches  |
| Height                            | 105 mm / 4.134 inches |
| Depth from upper-edge of DIN-rail | 65 mm / 2.559 inches  |

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## Mechanical Data

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

## Material Data

|                          |                    |
|--------------------------|--------------------|
| Contact material (relay) | AgSnO <sub>2</sub> |
| Fire load                | 1.304 MJ           |
| Weight                   | 230 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                  | 4045454980092    |
| Customs tariff number | 85366990990      |

## Environmental Product Compliance

|   |  |
|---|--|
| CAS-No.                                   | 7439-92-1<br>79-94-7                                     |
| REACH Candidate List Substance            | 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol<br>Lead |
| RoHS Compliance Status                    | Compliant,With Exemption                                 |
| RoHS Exemption                            | 6(c)<br>7(a)<br>7(c)-I<br>7(c)-II                        |
| SCIP notification number (Bulgaria)       | 0c7733fd-61a0-4cde-8ddc-942c6a0fa5ea                     |
| SCIP notification number (Czech Republic) | f202cc7f-10ec-4ffc-827b-a812bffd4864                     |


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## Approvals / Certificates

### General approvals

| Logo   | Approval                               | Additional Approval Text | Certificate name             |
|--|--|--------------------------|------------------------------|
|  | EAC<br>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 |
|--|--|--------------------------|------------------|
|  | UK-Declaration of Conformity<br>WAGO GmbH & Co. KG | -                        | -                |

## Optional accessories


### Marking accessories

#### Marking strip









|  |  |  |
|--|--|--|
|  | <b>Item no.: 2009-110</b><br>Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white | <a href="http://www.wago.com/2009-110">www.wago.com/2009-110</a> |
|  | <b>Item no.: 709-196</b><br>Marking strips; for laser printer; translucent   | <a href="http://www.wago.com/709-196">www.wago.com/709-196</a>   |
|  | <b>Item no.: 709-178</b><br>Marking strips; on reel; 7.5 mm wide; not stretchable; plain; snap-on type; white        | <a href="http://www.wago.com/709-178">www.wago.com/709-178</a>   |
|  | <b>Item no.: 709-177</b><br>Marking strips; on reel; 7.5 mm wide; not stretchable; plain; snap-on type; translucent  | <a href="http://www.wago.com/709-177">www.wago.com/709-177</a>   |

### Cables and pluggable connectors

#### System cable

|  |  |  |
|--|--|--|
|  | <b>Item no.: 706-2300/201-300</b><br>System cable; for Siemens S7-300; 8 digital outputs; Length: 3 m; Conductor cross-section: 0.14 mm <sup>2</sup> | <a href="http://www.wago.com/706-2300/201-300">www.wago.com/706-2300/201-300</a> |
|--|--|--|

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|  |   |  |
|--|---|--|
|    | <b>Item no.: 706-2300/201-200</b><br>System cable; for Siemens S7-300; 8 digital outputs; Length: 2 m; Conductor cross-section: 0.14 mm <sup>2</sup>                                      | <a href="http://www.wago.com/706-2300/201-200">www.wago.com/706-2300/201-200</a> |
|    | <b>Item no.: 706-2300/201-100</b><br>System cable; for Siemens S7-300; 8 digital outputs; Length: 1 m; Conductor cross-section: 0.14 mm <sup>2</sup>                                      | <a href="http://www.wago.com/706-2300/201-100">www.wago.com/706-2300/201-100</a> |
|    | <b>Item no.: 706-7753/300-100</b><br>System cable; for WAGO-I/O-SYSTEM, 753 Series; 8 digital inputs or outputs; Length: 1 m; Conductor cross-section: 0.14 mm <sup>2</sup>               | <a href="http://www.wago.com/706-7753/300-100">www.wago.com/706-7753/300-100</a> |
|    | <b>Item no.: 706-7753/300-200</b><br>System cable; for WAGO-I/O-SYSTEM, 753 Series; 8 digital inputs or outputs; Length: 2 m; Conductor cross-section: 0.14 mm <sup>2</sup>               | <a href="http://www.wago.com/706-7753/300-200">www.wago.com/706-7753/300-200</a> |
|    | <b>Item no.: 706-7753/302-200</b><br>System cable; for WAGO-I/O-SYSTEM, 750 Series; 8 digital inputs and 8 digital outputs; Length: 2 m; Conductor cross-section: 0.14 mm <sup>2</sup>    | <a href="http://www.wago.com/706-7753/302-200">www.wago.com/706-7753/302-200</a> |
|    | <b>Item no.: 706-7753/302-100</b><br>System cable; for WAGO-I/O-SYSTEM, 750 Series; 8 digital inputs and 8 digital outputs; Length: 1 m; Conductor cross-section: 0.14 mm <sup>2</sup>    | <a href="http://www.wago.com/706-7753/302-100">www.wago.com/706-7753/302-100</a> |
| Connecting cable   |   |  |
|   | <b>Item no.: 706-100/1301-200</b><br>Connection cable; 10-pole; Pluggable connector per DIN 41651; open-ended; Length: 2 m; Conductor cross-section: 0.14 mm <sup>2</sup> ; UR components | <a href="http://www.wago.com/706-100/1301-200">www.wago.com/706-100/1301-200</a> |
| <b>Basic Relay</b>   |   |  |
| Basic relay  |   |  |
|  | <b>Item no.: 857-152</b><br>Basic relay; Nominal input voltage: 24 VDC; 1 changeover contact; Limiting continuous current: 6 A; Module width: 5 mm; Module height: 15 mm                  | <a href="http://www.wago.com/857-152">www.wago.com/857-152</a>                   |

## Downloads

### Documentation

#### Bid Text

|                         |             |                |          |
|-------------------------|-------------|----------------|----------|
| 704-5003<br>X81 - Datei | 2019 Feb 19 | xml<br>4.2 kB  | Download |
| 704-5003<br>doc - Datei | 2015 Nov 20 | doc<br>27.1 kB | Download |

#### Additional Information

|                        |         |     |          |
|------------------------|---------|-----|----------|
| Disposal and Recycling | V 1.1.0 | pdf | Download |
|------------------------|---------|-----|----------|

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



### 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 using.

pdf  
545.9 kB  
Download

### CAD/CAE-Data

#### CAE data

EPLAN Data Portal 704-5003

URL  
Download

WSCAD Universe 704-5003

URL  
Download

#### CAD data

2D/3D Models 704-5003

URL  
Download

### Environmental Product Compliance

#### Compliance Search

Environmental Product Compliance 704-5003

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; in mounting carrier; 2,50 mm<sup>2</sup>

URL  
Download

### Installation Notes

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