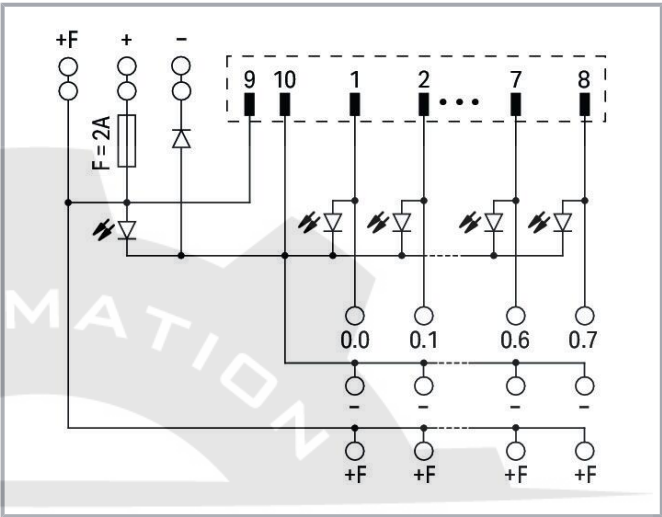


**Data sheet | Item number: 704-2003**

Interface module for system wiring; Pluggable connector per DIN 41651;  
Male connector; 10-pole; 8-channel digital input or output; 3-wire  
connection; in mounting carrier

[www.wago.com/704-2003](http://www.wago.com/704-2003)



**Data**

**Electrical data**

|                                       |                                                  |
|---------------------------------------|--------------------------------------------------|
| Inputs/outputs                        | 8-channel digital input or output                |
| Circuit type                          | 3-wire connection                                |
| Nominal operating voltage             | DC 24 V                                          |
| Operating voltage range               | ±10 %                                            |
| Power consumption (status indication) | 5 mA                                             |
| Total current                         | 2 A                                              |
| Limiting continuous current           | 1 A                                              |
| Status indicator                      | Green LED (channel)<br>Yellow LED (power supply) |
| Internal fuse                         | 2 A                                              |

**Safety and protection**

|               |      |
|---------------|------|
| Rated voltage | 50 V |
|---------------|------|

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

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|                     |        |
|---------------------|--------|
| Rated surge voltage | 0.8 kV |
| Pollution degree    | 2      |

## Connection data

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Compatible PLC Modules        | Siemens S7-300<br>Siemens S7-400<br>Siemens S7-1500<br>GE Fanuc 9030<br>Schneider Modicon TM3<br>Schneider TSX<br>Schneider Modicon M340<br>Schneider Modicon Quantum<br>Rockwell Compact Logix<br>WAGO I/O System 753<br>WAGO I/O System 750<br>Omron CJ1W                                                                                                                                                                                                                                                                                                                               |
| Compatible PLC I/O Card Types | 6ES7 313-5BE01-0AB0<br>6ES7 313-5BG04-0AB0<br>6ES7 314-6BF01-0AB0<br>6ES7 314-6BG03-0AB0<br>6ES7 314-6CF01-0AB0<br>6ES7 314-6CG03-0AB0<br>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<br>6ES7 522-1BF00-0AB0<br>IC693 MDL634<br>IC693 MDL730<br>IC693 MDL732<br>TM3 DI8(G)<br>TM3 DQ8T(G)<br>TSX DSZ 04T22<br>TSX DSZ 08T2<br>TSX DSZ 08T2K<br>TSX DMZ 16DTK<br>TSX DEY 08D2<br>TSX DSY 08T2<br>140 DDM 390 00<br>BMX DDM 16022<br>BMX DDM 16025<br>1769 - OB8<br>753-430 (x1)<br>753-431 (x1) |

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|                                |                                                      |
|--------------------------------|------------------------------------------------------|
|                                | 753-530 (x1)<br>750-1502<br>CJ1W-ID201<br>CJ1W-OD204 |
| Connection type (1)            | System                                               |
| Pole number 1                  | 10                                                   |
| Pluggable connectors           | DIN 41651 male connector                             |
| Mating direction               | vertical                                             |
| Connection type 2              | Field                                                |
| Pole number 2                  | 24                                                   |
| Design 2                       | PCB terminal blocks (triple-deck)                    |
| 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 inch                       |
| Connection type (3)            | Supply                                               |
| Pole number 3                  | 6                                                    |
| Design 3                       | PCB terminal blocks (double-deck)                    |
| WAGO Connector 3               | WAGO 736 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 inch                       |
| Note (conductor cross-section) | 12 AWG: THHN, THWN                                   |

### Physical data

|                                    |                    |
|------------------------------------|--------------------|
| Width                              | 56 mm / 2.205 inch |
| Height from upper-edge of DIN-rail | 63 mm / 2.48 inch  |
| Depth                              | 85 mm / 3.346 inch |

### Mechanical data

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

### Material data

|           |          |
|-----------|----------|
| Fire load | 1.418 MJ |
| Weight    | 92 g     |

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## Environmental requirements

|                                         |                      |
|-----------------------------------------|----------------------|
| Surrounding air temperature (operation) | -20 ... 50 °C        |
| Surrounding air temperature (storage)   | -40 ... 70 °C        |
| Relative humidity                       | 85% (non-condensing) |

## Commercial data

|                       |               |
|-----------------------|---------------|
| Product Group         | 30 0          |
| Packaging type        | BOX           |
| Country of origin     | FR            |
| GTIN                  | 4050821161981 |
| Customs tariff number | 8536904000    |

## Optional accessories

### Cables and pluggable connectors

|                                                                                   |                                                                                                                                                                                           |                                                                                  |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
|    | <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>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.: 706-2300/201-200</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.: 706-2300/201-300</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> |
|  | <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.: 706-7753/302-100</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> |
|  | <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;                                                  | <a href="http://www.wago.com/706-7753/302-200">www.wago.com/706-7753/302-200</a> |

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Conductor cross-section: 0.14 mm<sup>2</sup>**Marking accessories**

|                                                                                 |                                                                                                                      |                                                                  |
|---------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
|  | <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.: 709-177</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>   |
|  | <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.: 709-196</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.: 709-198</b><br>Marking strips; white                                                                    | <a href="http://www.wago.com/709-198">www.wago.com/709-198</a>   |

**Downloads****Documentation****Bid Text**

|                         |              |                |          |
|-------------------------|--------------|----------------|----------|
| 704-2003<br>doc - Datei | Nov 20, 2015 | doc<br>25.6 kB | Download |
| 704-2003<br>X81 - Datei | Feb 19, 2019 | xml<br>3.8 kB  | Download |

**Additional Information**

|                                                          |         |                 |          |
|----------------------------------------------------------|---------|-----------------|----------|
| Disposal; Electrical and electronic equipment, Packaging | V 1.0.0 | pdf<br>265.8 kB | Download |
|----------------------------------------------------------|---------|-----------------|----------|

**System Description**

|                                                                                                                                                              |  |                 |          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------|----------|
| WAGO System Wiring, Selection Guide<br>This guide will help you select the appropriate interface modules and system cables for the controller you are using. |  | pdf<br>545.9 kB | Download |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------|----------|

**CAD files****CAD data**

|                       |     |          |
|-----------------------|-----|----------|
| 2D/3D Models 704-2003 | URL | Download |
|-----------------------|-----|----------|

**CAE data**

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|                            |                     |                          |
|----------------------------|---------------------|--------------------------|
| EPLAN Data Portal 704-2003 | <a href="#">URL</a> | <a href="#">Download</a> |
| ZUKEN Portal 704-2003      | <a href="#">URL</a> | <a href="#">Download</a> |
| WSCAD Universe 704-2003    | <a href="#">URL</a> | <a href="#">Download</a> |

## Environmental Product Compliance

### Compliance Search

|                                           |                     |                          |
|-------------------------------------------|---------------------|--------------------------|
| Environmental Product Compliance 704-2003 | <a href="#">URL</a> | <a href="#">Download</a> |
|-------------------------------------------|---------------------|--------------------------|

Interface module for system wiring; Pluggable connector per DIN 41651; Male connector; 10-pole; 8-channel digital input or output; 3-wire connection; in mounting carrier

### Installation Notes

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