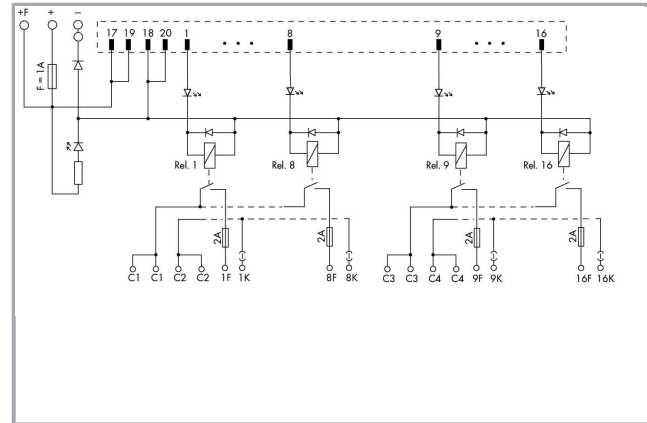


**Data sheet | Item number: 704-5054**

Interface module for system wiring; Pluggable connector per DIN 41651; Male connector; 20-pole; 16-channel relay output; 1 make contact; with disconnect terminal block and fuse; in mounting carrier; 2,50 mm<sup>2</sup>



[www.wago.com/704-5054](http://www.wago.com/704-5054)

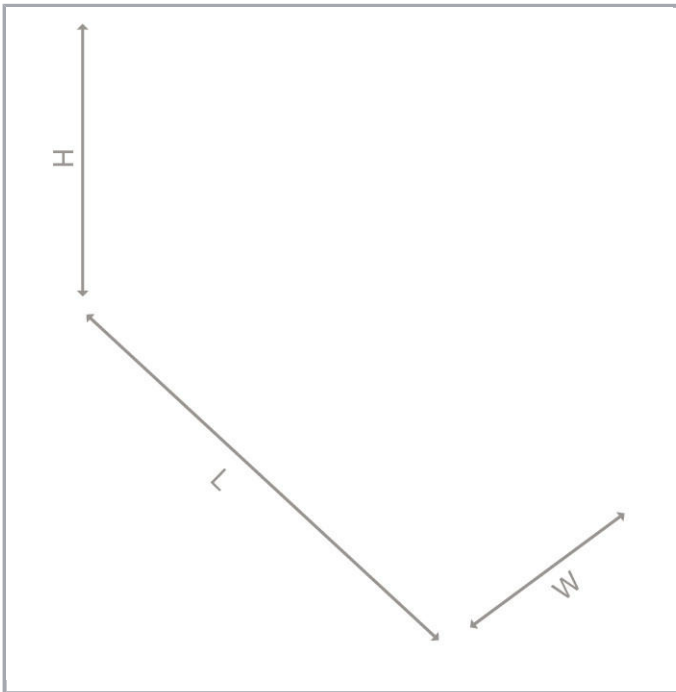


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Subject to changes. Please also observe the further product documentation!

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We are always happy to take your call at +49 (571) 887-44222.



### Item description

**Note:**

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

### Data

#### Electrical Data

In-/Outputs	16-channel relay output
Nominal operating voltage	DC 24 V
Operating voltage range	±10 %
Number of make contacts/switch on contacts	1
Limiting continuous current	2 A
Max. switching voltage	AC 250 V; DC 48 V
Max. switching power (resistive)	AC 500 VA; DC 50 W
Mechanical life	30 x 10 <sup>6</sup> switching operations
Status indication	LED green (channel) LED yellow (power supply)
Internal fuse	Supply: 1 A; Relay output: 2 A
WAGO elementary relay	788-154

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

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Specialty functions

 With disconnect/test terminal blocks  
 With Ausgangssicherung
**Safety and protection:**

Rated voltage	50 V
Rated impulse 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

**Connection data**

Connection type (1)	System
No. of poles	20
Pluggable connector	Pluggable connector per DIN 41651; male connector
Mating direction	Vertical
Connection type (2)	Field
No. of poles 2	32
Design 2	PCB terminal blocks
Connection technology 2	CAGE CLAMP®
WAGO terminal 2	WAGO 742 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)	8 ... 9 mm / 0.31 ... 0.35 inch
Connection type (3)	Field
No. of poles 3	8
Design 3	PCB terminal blocks, 2-row
Connection technology 3	CAGE CLAMP®
WAGO terminal 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
Connection type (4)	Supply
No. of poles 4	4
Design 4	PCB terminal blocks
Connection technology 4	CAGE CLAMP®
WAGO terminal 4	WAGO 236 Series

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



Solid conductor (4)	0.08 ... 2.5 mm <sup>2</sup> / 28 ... 12 AWG
Fine-stranded conductor (4)	0.08 ... 2.5 mm <sup>2</sup> / 28 ... 12 AWG
Strip length (4)	5 ... 6 mm / 0.2 ... 0.24 inch
Note (conductor cross-section)	12 AWG: THHN, THWN

### Geometrical Data

Width	240 mm / 9.449 inch
Height from upper-edge of DIN-35 rail	55 mm / 2.165 inch
Depth	105 mm / 4.134 inch

### Mechanical data

Type of mounting	DIN-35 rail
Housing design	Mounting carrier

### Material Data

Contact material (relay)	AgNi 90/10
Weight	770 g

### Environmental Requirements

Surrounding air (operating) temperature	-25 ... 50 °C
Surrounding air (storage) temperature	-40 ... 70 °C
Relative humidity	≤ 85% (non condensing)

### Commercial data

Product Group	30 ()
Packaging type	BOX
Country of origin	QU
GTIN	4045454980177
Customs Tariff No.	85369010000

### Counterpart












### Compatible products

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## wiring and connectors

	<b>Item no.: 706-100/1300-200</b> 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	<a href="http://www.wago.com/706-100/1300-200">www.wago.com/706-100/1300-200</a>
	<b>Item no.: 706-100/1300-400</b> Connection cable; 20-pole; Pluggable connector per DIN 41651; open-ended; 4m; Conductor cross-section: 0.14 mm <sup>2</sup> ; UR components	<a href="http://www.wago.com/706-100/1300-400">www.wago.com/706-100/1300-400</a>
	<b>Item no.: 706-2300/200-100</b> System cable; for Siemens S7-300; 2 x 16 digital outputs; Length: 1 m (1 MOhm); Conductor cross-section: 0.14 mm <sup>2</sup>	<a href="http://www.wago.com/706-2300/200-100">www.wago.com/706-2300/200-100</a>
	<b>Item no.: 706-2300/200-200</b> System cable; for Siemens S7-300; 2 x 16 digital outputs; Length: 2 m; Conductor cross-section: 0.14 mm <sup>2</sup>	<a href="http://www.wago.com/706-2300/200-200">www.wago.com/706-2300/200-200</a>
	<b>Item no.: 706-2300/200-300</b> System cable; for Siemens S7-300; 2 x 16 digital outputs; Length: 3 m; Conductor cross-section: 0.14 mm <sup>2</sup>	<a href="http://www.wago.com/706-2300/200-300">www.wago.com/706-2300/200-300</a>
	<b>Item no.: 706-2300/300-100</b> System cable; for Siemens S7-300; 16 digital inputs or outputs; Length: 1 m (1 MOhm); Conductor cross-section: 0.14 mm <sup>2</sup>	<a href="http://www.wago.com/706-2300/300-100">www.wago.com/706-2300/300-100</a>
	<b>Item no.: 706-2300/300-200</b> System cable; for Siemens S7-300; 16 digital inputs or outputs; Length: 2 m; Conductor cross-section: 0.14 mm <sup>2</sup>	<a href="http://www.wago.com/706-2300/300-200">www.wago.com/706-2300/300-200</a>
	<b>Item no.: 706-2300/300-300</b> System cable; for Siemens S7-300; 16 digital inputs or outputs; Length: 3 m; Conductor cross-section: 0.14 mm <sup>2</sup>	<a href="http://www.wago.com/706-2300/300-300">www.wago.com/706-2300/300-300</a>
	<b>Item no.: 706-2300/301-100</b> System cable; for Siemens S7-300; 2 x 16 digital inputs or outputs; Length: 1 m (1 MOhm); Conductor cross-section: 0.14 mm <sup>2</sup>	<a href="http://www.wago.com/706-2300/301-100">www.wago.com/706-2300/301-100</a>
	<b>Item no.: 706-2300/301-200</b> 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>	<a href="http://www.wago.com/706-2300/301-200">www.wago.com/706-2300/301-200</a>
	<b>Item no.: 706-2300/301-300</b> 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>	<a href="http://www.wago.com/706-2300/301-300">www.wago.com/706-2300/301-300</a>
	<b>Item no.: 706-7753/301-200</b> System cable; for WAGO-I/O-SYSTEM, 753 Series; 16 digital inputs or outputs; Length: 2 m; Conductor cross-section: 0.14 mm <sup>2</sup>	<a href="http://www.wago.com/706-7753/301-200">www.wago.com/706-7753/301-200</a>

## Marking accessories

	<b>Item no.: 2009-110</b> Marking strips; on reel; not stretchable; plain; snap-on type; white	<a href="http://www.wago.com/2009-110">www.wago.com/2009-110</a>
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Subject to changes. Please also observe the further product documentation!



**Item no.: 709-177**

Marking strips; on reel; 7.5 mm wide; not stretchable; plain; snap-on type; translucent

[www.wago.com/709-177](http://www.wago.com/709-177)

**Item no.: 709-178**

Marking strips; on reel; 7.5 mm wide; not stretchable; plain; snap-on type; white

[www.wago.com/709-178](http://www.wago.com/709-178)

**Item no.: 709-196**

Marking strips; for laser printer; translucent

[www.wago.com/709-196](http://www.wago.com/709-196)

**Item no.: 709-198**

Marking strips; white

[www.wago.com/709-198](http://www.wago.com/709-198)

**General accessories**

**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](http://www.wago.com/788-154)

**Downloads**

**Documentation**

**Additional Information**

Disposal; Electrical and electronic equipment, Packaging

V 1.0.0

pdf  
265.8 kB

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**CAD/CAE-Data**

**CAE data**

EPLAN Data Portal 704-5054

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WSCAD Universe 704-5054

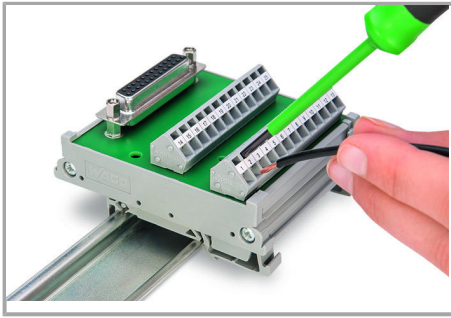
[URL](#)

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**Installation Notes**

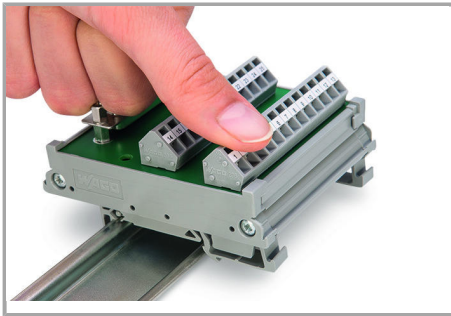
**Inserting a conductor**

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

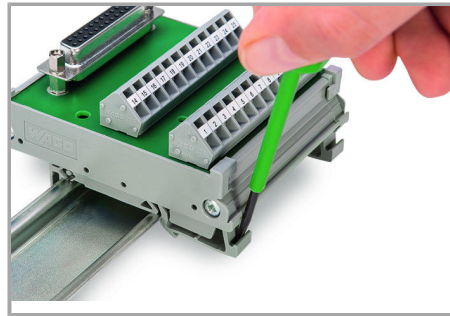


Connection of conductor – Operating tool actuation parallel to conductor entry.

#### Assembly



Assembly of a module on the carrier rail



Removing a module from the DIN-rail.

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