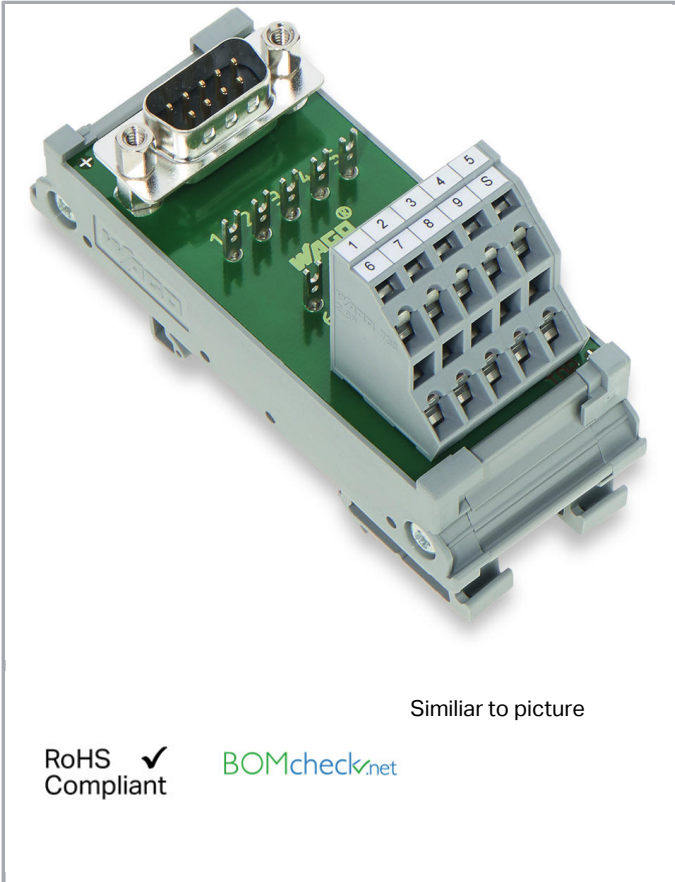


**Data sheet | Item number: 289-720**

Interface module; with solder pin; Male connector; 9-pole; Double-deck PCB terminal blocks; in mounting carrier; Mating connector for solder connection; 2,50 mm<sup>2</sup>



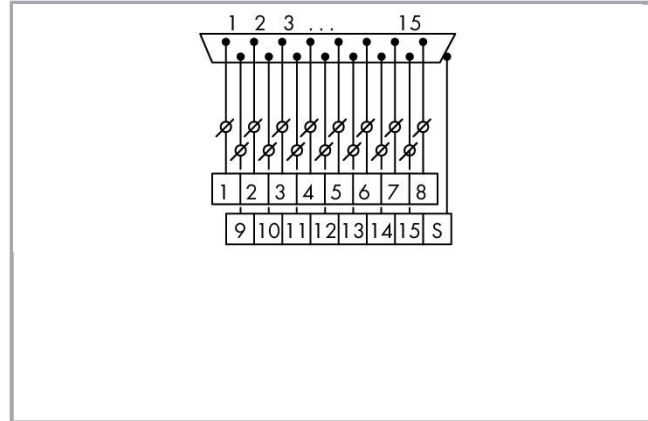
[www.wago.com/289-720](http://www.wago.com/289-720)



Similar to picture

RoHS  Compliant

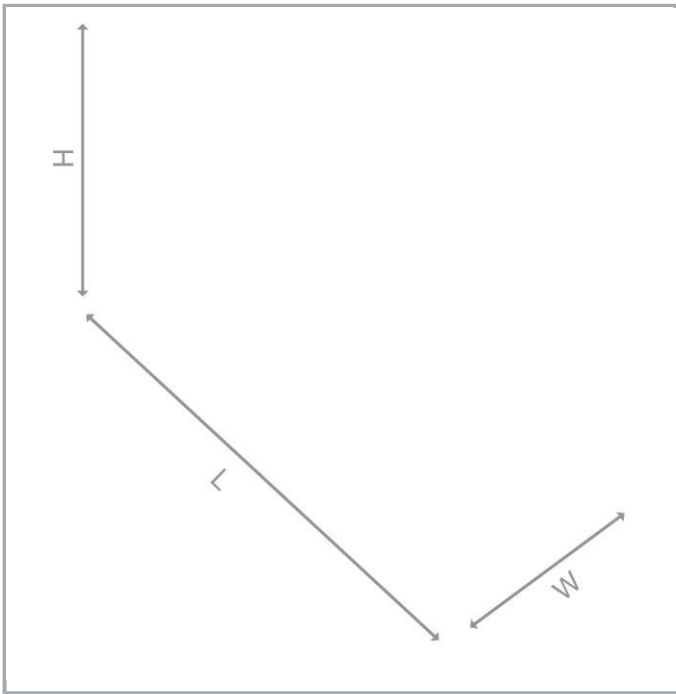
[BOMcheck.net](https://www.bomcheck.net)



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

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Do you have any questions about our products?  
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**Item description**

**Note:**

1 solder pin per pole is available for testing and patching (except for shield (screen) contact)

**Data**

**Electrical Data**

Operating voltage	≤ AC 30 V; ≤ DC 50 V
Nominal current	2 A
Contact resistance (max.)	30 mΩ
Specialty functions	With solder pin With shield connection

**Safety and protection:**

Rated voltage	50 V
Rated impulse voltage	0.8 kV
Pollution degree	2
Protection class	IP00*
Note on protection class	* Notice! Live conductors! Protection against direct contact must be

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provided by the equipment builder, e.g., using a WAGO 709 Series cover (see Accessories) or a similar cover. The installation requirements for the particular application must be observed.

## Connection data

Connection type (1)	System
No. of poles	9
Pluggable connector	HD-subminiature; male connector
For mating connectors	With solder connection
Mating direction	Vertical
Pull relief	Stud bolts UNC 4-40
Connection type (2)	Field
No. of poles 2	10
Design 2	PCB terminal blocks, double-deck
Connection technology 2	CAGE CLAMP®
WAGO terminal 2	WAGO 736 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
Note (conductor cross-section)	12 AWG: THHN, THWN
Performance level	2 / 200 mating cycles
Strain relief	Gewindebolzen UNC 4-40

## Geometrical Data

Width	33.5 mm / 1.319 inch
Height from upper-edge of DIN-35 rail	48 mm / 1.89 inch
Depth	85 mm / 3.346 inch

## Mechanical data

Type of mounting	DIN-35 rail
Housing design	Mounting carrier

## Material Data

Contact material (pluggable connector)	Au over Ni
Fire load	0.586 MJ
Weight	50.7 g

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

## Environmental Requirements

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


## Commercial data

Product Group	6 (Interface Electronics)
Packaging type	BOX
Country of origin	DE
GTIN	4045454367176
Customs Tariff No.	85369010000



## Counterpart

## Compatible products


### Marking accessories

	<b>Item no.: 709-177</b> 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> 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> 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> Marking strips; white	<a href="http://www.wago.com/709-198">www.wago.com/709-198</a>

### assembling

	<b>Item no.: 709-153</b> Cover; Type 1; suitable for cover carrier, type 1; 1 m long; transparent	<a href="http://www.wago.com/709-153">www.wago.com/709-153</a>
	<b>Item no.: 709-167</b> Cover carrier; Type 1; incl. fixing/retaining screws and knurled nut; suitable for 279 to 282 and 880 Series rail-mounted terminal blocks; suitable for 264 Series miniature rail-mounted terminal blocks; suitable for 270 Series sensor and actuator terminal blocks; gray	<a href="http://www.wago.com/709-167">www.wago.com/709-167</a>

### tools

	<b>Item no.: 210-720</b> Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft	<a href="http://www.wago.com/210-720">www.wago.com/210-720</a>
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Subject to changes. Please also observe the further product documentation!

## Downloads

### Documentation

#### Instruction Leaflet

pdf  
1.3 MB

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#### Additional Information

Disposal; Electrical and electronic equipment, Packaging

V 1.0.0

pdf  
265.8 kB

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## CAD/CAE-Data

### CAD data

2D/3D Models 289-720

URL

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### CAE data

EPLAN Data Portal 289-720

URL

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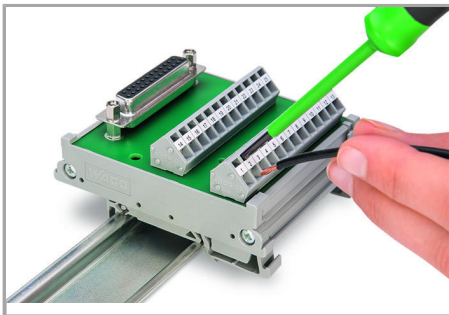
WSCAD Universe 289-720

URL

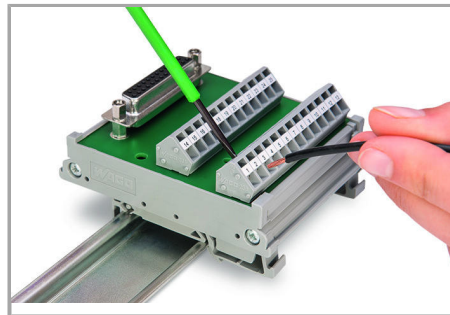
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## Installation Notes

### Inserting a conductor



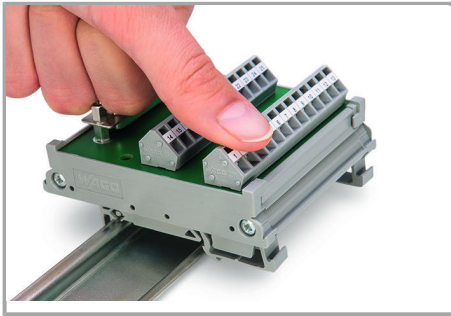
Connection of conductor – Operating tool actuation parallel to conductor entry.



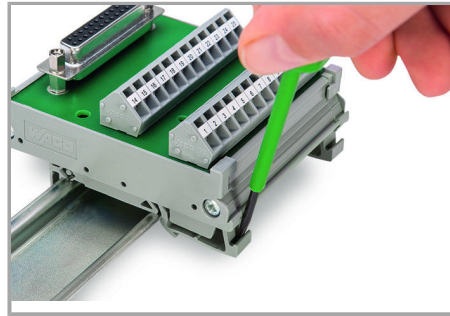
Connection of conductor – Operating tool actuation perpendicular to conductor entry.

### Assembly

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



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!