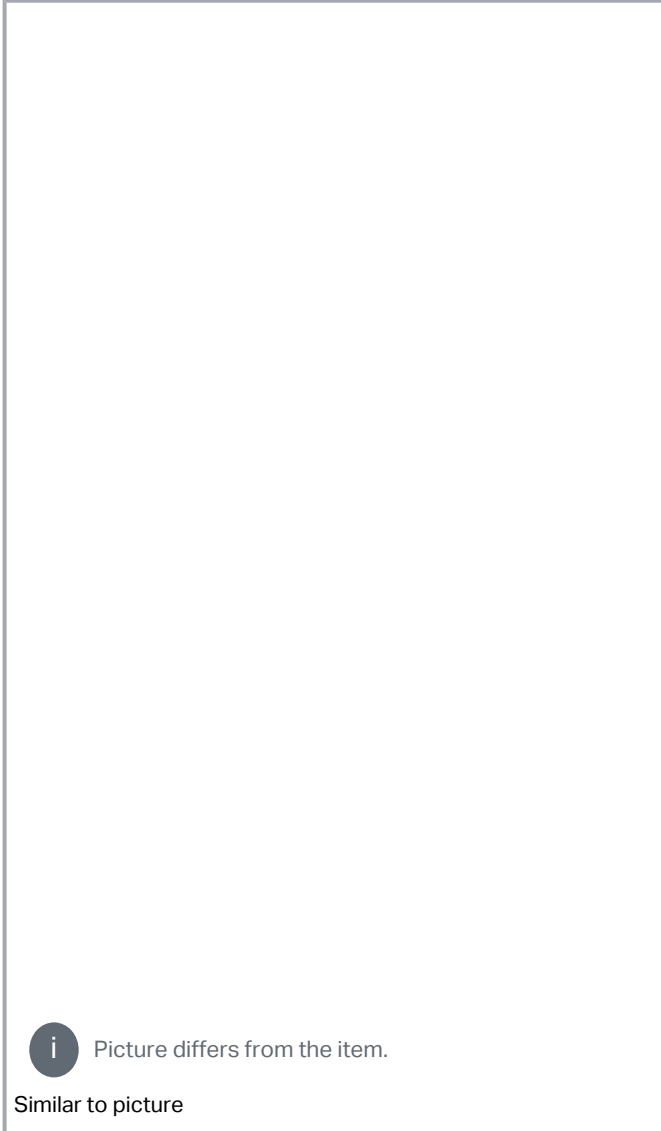


**Data sheet | Item number: 289-459**

Interface module; with solder pin; Female connector; 50-pole; Mating connector with solder connection; Vertical mounting; PCB terminal blocks, double-row; with mounting feet; 2,50 mm<sup>2</sup>



[www.wago.com/289-459](http://www.wago.com/289-459)



**Data**

**Electrical data**

Operating voltage	≤30 VAC; ≤50 VDC
Nominal current	1 A

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

WAGO GmbH & Co. KG  
Hansastr. 27  
32423 Minden  
Phone: +49571 887-0 | Fax: +49571 887-169  
Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

Do you have any questions about our products?  
We are always happy to take your call at +49 (571) 887-44222.



Contact resistance (max.)	30 mΩ
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## Safety and protection

Rated voltage	50 V
Rated surge voltage	0.8 kV
Pollution degree	2
Protection type	IP00; <b>Notice!</b> Live parts can be easily touched! Protection against direct contact must be provided by the equipment manufacturer, e.g., using a WAGO 709 Series Cover (see "Accessories") or a similar cover. The installation guidelines must be observed for each individual application.
Dielectric strength (channel/channel) (AC, 1 min.)	1.3 kV <sub>rms</sub>
Insulation type	Functional insulation

## Connection data

Performance level	2 / 200 mating cycles
Strain relief	UNC 4-40 stud bolt

## Connection 1

Connector	D-subminiature female connector
Pole number 1	50
Connection type 1	System
Note (conductor cross-section)	12 AWG: THHN, THWN
Mating direction	vertical

## Connection 2

Design 2	PCB terminal blocks (double-row)
Pole number 2	50
Connection type 2	Field
Connection technology 2	CAGE CLAMP®
WAGO connector 2	WAGO 236 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

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



## Physical data

Width	157 mm / 6.181 inches
Height	63.5 mm / 2.5 inches
Depth from upper-edge of DIN-rail	19 mm / 0.748 inches

## Mechanical Data

Mounting type	DIN-35 rail
Housing design	PCB with mounting feet

## Material Data

Contact material (connector)	Au over Ni
Fire load	0.081 MJ
Weight	98 g

## Environmental requirements

Ambient temperature (operation)	-20 ... +50 °C
Ambient temperature (storage)	-40 ... +70 °C
Relative humidity	85% (non-condensing)

## Standards and specifications

Standards/specifications	EN 61010-2-201
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## Commercial data

Product Group	6 (INTERFACE ELECTRONIC)
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)	5 (1) pcs
Packaging type	box
Country of origin	DE
GTIN	4045454409722
Customs tariff number	85369010000

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

## Environmental Product Compliance

RoHS Compliance Status	Compliant,With Exemption
RoHS Exemption	6(c)

## Optional accessories

### Mounting

Cover carrier		
<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>
Cover		
<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>
Tool		
Operating tool		
<b>Item no.: 210-720</b>		
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured		<a href="http://www.wago.com/210-720">www.wago.com/210-720</a>

## Downloads

### Documentation

#### Bid Text

289-459	2015 年2月6日	doc	Download
doc - Datei		26.6 kB	

#### Instruction Leaflet

		pdf	Download
		1.3 MB	

#### Additional Information

Disposal and Recycling	V 1.1.0	pdf	Download
Electrical and electronic equipment, Batteries, Packaging	2022 年8月18日	2.2 MB	

## CAD/CAE-Data

### CAD data

2D/3D Models 289-459		URL	Download
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Subject to changes. Please also observe the further product documentation!

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### CAE data

EPLAN Data Portal 289-459	<a href="#">URL</a>	<a href="#">Download</a>
WSCAD Universe 289-459	<a href="#">URL</a>	<a href="#">Download</a>
ZUKEN Portal 289-459	<a href="#">URL</a>	<a href="#">Download</a>

### Environmental Product Compliance

#### Compliance Search

Environmental Product Compliance 289-459	<a href="#">URL</a>	<a href="#">Download</a>
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Interface module; with solder pin; Female connector; 50-pole; Mating connector with solder connection; Vertical mounting; PCB terminal blocks, double-row; with mounting feet; 2,50 mm<sup>2</sup>

### Installation Notes

#### Conductor termination



Conductor termination – screwdriver actuation parallel to conductor entry



Conductor termination – screwdriver actuation perpendicular to conductor entry

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