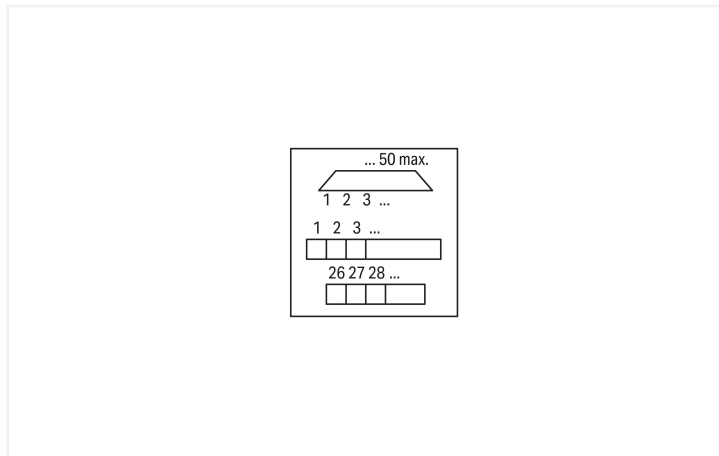
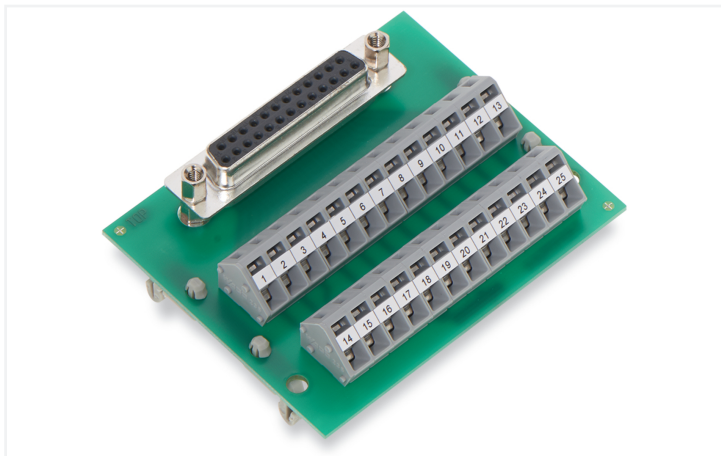


## Data Sheet | Item Number: 289-459

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>

<https://www.wago.com/289-459>



Similar to illustration

### Notes

#### Safety Information

**Notice!** Accessible live parts! Protection against accidental contact must be provided by the system installer, e.g., using a WAGO 709 Series Cover (see "Accessories") or a similar cover. The installation guidelines must be followed for each specific application.

### Electrical data

Operating voltage	≤ 30 VAC; ≤ 50 VDC
Nominal current	1 A
Contact resistance (max.)	30 mΩ

### Safety and protection

Rated Voltage	50 V
Rated impulse withstand voltage	0.8 kV
Pollution degree	2
Protection type	IP00
Dielectric strength (channel/channel) (AC, 1 min.)	1.3 kVrms
Insulation type	Functional insulation

### Connection Data

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

#### Connection 1

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

### Connection 2

Design	PCB terminal blocks (double-row)
Pole number	50
Connection type	Field
Connection technology	CAGE CLAMP®
WAGO connector	WAGO 236 Series
Solid conductor	0.08 ... 2.5 mm <sup>2</sup> / 28 ... 12 AWG
Fine-stranded conductor	0.08 ... 2.5 mm <sup>2</sup> / 28 ... 12 AWG
Strip length	5 ... 6 mm / 0.2 ... 0.24 inches

### 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	0.084 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)
PU (SPU)	5 (1) pcs
Packaging type	Box
Country of origin	DE
GTIN	4045454409722
Customs tariff number	85369010000

Product Classification	
UNSPSC	39121421
eCl@ss 10.0	27-14-11-52
eCl@ss 9.0	27-14-11-52
ETIM 9.0	EC002780
ETIM 10.0	EC002780
ECCN	NO US CLASSIFICATION

Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption

### Downloads

#### Environmental Product Compliance

Compliance Search

Environmental Product Compliance 289-459	<a href="#">↓</a>
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### Documentation

Bid Text				Instruction Leaflet			
289-459	06.02.2015	doc	26.00 KB	Operation and Assembly Instructions Interface	V 1.0.0 02.04.2025	pdf	1246.19 KB
			<a href="#">↓</a>				<a href="#">↓</a>

### CAD/CAE-Data

CAD data		CAE data	
2D/3D Models 289-459	<a href="#">↓</a>	EPLAN Data Portal 289-459	<a href="#">↓</a>
		WSCAD Universe 289-459	<a href="#">↓</a>
		ZUKEN Portal 289-459	<a href="#">↓</a>

### 1 Compatible Products

#### 1.1 Optional Accessories

##### 1.1.1 Installation

##### 1.1.1.1 Cover



**Item No.: 709-153**  
 Cover; Type 1; suitable for cover carrier, type 1; 1 m long; transparent

### 1.1.1.2 Cover carrier



**Item No.: 709-167**

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

### 1.1.2 Tool

#### 1.1.2.1 Operating tool

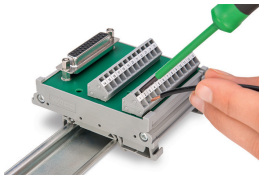


**Item No.: 210-720**

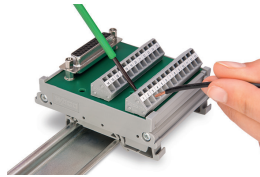
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

### Installation Notes

#### Conductor termination



Conductor termination – screwdriver actuation parallel to conductor entry



Conductor termination – screwdriver actuation perpendicular to conductor entry