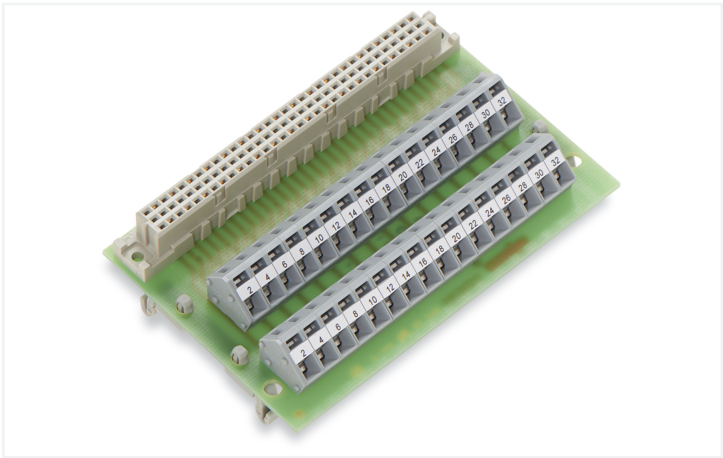


Data Sheet | Item Number: 289-431

Interface module; Pluggable connector per DIN 41612; 64-pole; Mating connector for solder connection; Vertical mounting; PCB terminal blocks, double-row; with mounting feet; Type C; 2,50 mm²

<https://www.wago.com/289-431>



Similar to illustration

Notes		
Safety Information		<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.

Electrical data	
Operating voltage	≤ 30 VAC; ≤ 50 VDC
Nominal current	1 A
Contact resistance (max.)	20 mΩ

Safety and protection	
Rated Voltage	50 V
Rated impulse withstand voltage	0.8 kV
Pollution degree	2
Protection type	IP00

Connection data		
Performance level	2 / 400 mating cycles	
Connection 1		
Pluggable connector	Pluggable connector per DIN 41612; Type C; Female connector	
Pole number 1	64	
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	64
Connection type	Field
Connection technology	CAGE CLAMP®
WAGO connector 2	WAGO 236 Series
Solid conductor	0.08 ... 2.5 mm² / 28 ... 12 AWG
Fine-stranded conductor	0.08 ... 2.5 mm² / 28 ... 12 AWG
Strip length	5 ... 6 mm / 0.2 ... 0.24 inches

Physical data	
Width	187 mm / 7.362 inches
Height	63.5 mm / 2.5 inches
Depth from upper-edge of DIN-rail	21 mm / 0.827 inches

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

Material data	
Contact material (connector)	Copper alloy; gold plated
Fire load	0.084 MJ
Weight	107.8 g

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

Commercial data	
Product Group	6 (INTERFACE ELECTRONIC)
PU (SPU)	10 (1) pcs
Packaging type	Box
Country of origin	DE
GTIN	4045454390037
Customs tariff number	85369010000

Product classification	
UNSPSC	39121409






Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption
SCIP notification number (Bulgaria)	8a263923-a570-4760-bbd7-fd635b8bc2f0
SCIP notification number (Czech Republic)	35dc5230-1e73-410c-9df1-5342e186520c

Downloads

Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 289-431	

Documentation

Bid Text			
289-431	09.02.2015	doc 26.00 KB	
289-431	19.02.2019	xml 3.46 KB	

Instruction Leaflet			
Operation and Assembly Instructions Interface	V 1.0.0 02.04.2025	pdf 1246.19 KB	

CAD/CAE-Data

CAE data	
EPLAN Data Portal 289-431	
WSCAD Universe 289-431	

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 Marking

1.1.2.1 Marking strip



**Item No.: 709-196**  
Marking strips; for laser printer; translucent



**Item No.: 709-177**  
Marking strips; on reel; 7.5 mm wide; not stretchable; plain; snap-on type; translucent



**Item No.: 709-178**  
Marking strips; on reel; 7.5 mm wide; not stretchable; plain; snap-on type; white

1.1.3 Tool

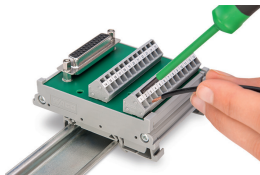
1.1.3.1 Operating tool



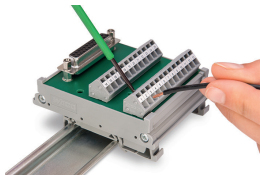
**Item No.: 210-720**  
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

Installation Notes

Conductor termination



Conductor termination – screwdriver actuation parallel to conductor entry



Conductor termination – screwdriver actuation perpendicular to conductor entry