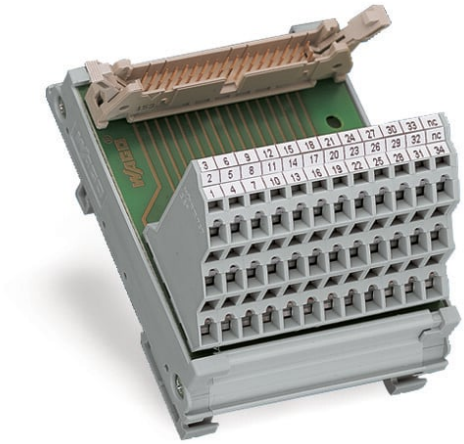
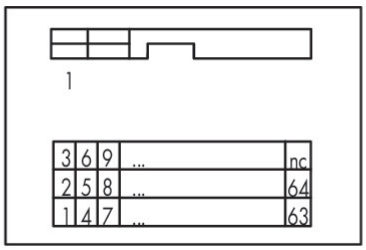
Data Sheet | Item Number: 289-614

Interface module; Pluggable connector per DIN 41651; 20-pole; Triple-deck PCB terminal blocks; in mounting carrier; 2,50 mm²

https://www.wago.com/289-614





Similar to illustration

Electrical data

Operating voltage	≤ AC/DC 125 V
Nominal current	1 A

Safety and protection

Rated voltage	125 V
Pollution degree	2
Protection type	IP00; **Notice!** 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 kVrms
Insulation type	Functional insulation

Compatibility

Siemens

Siemens ET200SP	6ES7 134-6FF00-0AA1 6ES7 134-6FB00-0BA1 6ES7 134-6HD01-0BA1 6ES7 134-6HD01-2BA1 6ES7 134-6HB00-0CA1 6ES7 134-6HB00-0DA1 6ES7 134-6GF00-0AA1 6ES7 134-6GB00-0BA1 6ES7 134-6GD01-0BA1 6ES7 134-6GD01-2BA1 6ES7 134-6JF00-0CA1 6ES7 134-6JF00-2CA1 6ES7 134-6JD00-0CA1 6ES7 134-6JD00-2CA1 6ES7 134-6TD00-0CA1 6ES7 135-6FB00-0BA1 6ES7 135-6GB00-0BA1 6ES7 135-6HD00-0BA1 6ES7 135-6HB00-0CA1 6ES7 135-6HB00-0DA1

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Connection data

Performance level	3 / 50 mating cycles

Connection 1

Connector	DIN 41651 connector; male connector
Pole number 1	20
Connection type 1	System
Note (conductor cross-section)	12 AWG: THHN, THWN
Mating direction	vertical

Connection 2

Design 2	PCB terminal blocks (triple-deck)
Pole number 2	20
Connection type 2	Field
Connection technology 2	CAGE CLAMP®
WAGO connector 2	WAGO 737 Series
Solid conductor 2	0.08 … 2.5 mm² / 28 … 12 AWG
Fine-stranded conductor 2	0.08 … 2.5 mm² / 28 … 12 AWG
Strip length 2	5 … 6 mm / 0.2 … 0.24 inches

Physical data

Width	47 mm / 1.85 inches
Height	85 mm / 3.346 inches
Depth from upper-edge of DIN-rail	62 mm / 2.441 inches

Mechanical data

Mounting type	DIN-35 rail
Housing design	Mounting carrier

Material data

Contact material (connector)	Au over Ni
Fire load	0.97 MJ
Weight	37.8 g

Environmental requirements

Ambient temperature (operation)	-20 … +55 °C
Ambient temperature (storage)	-40 … +70 °C
Relative humidity	≤ 85% (non-condensing)

Standards and specifications

Standards/specifications	EN 61010-2-201

Continued on next page

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	4045454011543
Customs tariff number	85366990990

Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates

General approvals

Approval	Standard	Certificate Name
EAC Brjansker Zertifizierungs-stelle	TP TC 004/2011	EAC RU C-DE.AM02.B.00122/19

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 289-614

Documentation

Bid Text

289-614	19.02.2019	xml 3.50 KB	
289-614	20.11.2015	doc 25.50 KB	

Instruction Leaflet

	pdf 1246.19 KB	

Continued on next page

CAD/CAE-Data

CAD data

2D/3D Models 289-614

CAE data

EPLAN Data Portal
289-614

WSCAD Universe
289-614

ZUKEN Portal 289-614

1 Compatible Products

1.1 Optional Accessories

1.1.1 Cables and connectors

1.1.1.1 Connecting cable

Item No.: 706-100/1300-200
Connection cable; 20-pole; Pluggable connector per DIN 41651; open-ended; Length: 2 m; Conductor cross-section: 0.14 mm²; UR components

Item No.: 706-100/1300-400
Connection cable; 20-pole; Pluggable connector per DIN 41651; open-ended; Length: 4 m; Conductor cross-section: 0.14 mm²; UR components

1.1.1.2 System cable

Item No.: 706-2300/300-100
System cable; for Siemens S7-300; 16 digital inputs or outputs; Length: 1 m; Conductor cross-section: 0.14 mm²

Item No.: 706-2300/300-200
System cable; for Siemens S7-300; 16 digital inputs or outputs; Length: 2 m; Conductor cross-section: 0.14 mm²

Item No.: 706-2300/300-300
System cable; for Siemens S7-300; 16 digital inputs or outputs; Length: 3 m; Conductor cross-section: 0.14 mm²

Item No.: 706-2300/101-100
System cable; for Siemens S7-300; 16 digital inputs; Length: 1 m; Conductor cross-section: 0.34 mm²

Item No.: 706-2300/101-200
System cable; for Siemens S7-300; 16 digital inputs; Length: 2 m; Conductor cross-section: 0.34 mm²

Item No.: 706-2300/101-300
System cable; for Siemens S7-300; 16 digital inputs; Length: 3 m; Conductor cross-section: 0.34 mm²

Item No.: 706-2300/301-100
System cable; for Siemens S7-300; 2 x 16 digital inputs or outputs; Length: 1 m; Conductor cross-section: 0.14 mm²

Item No.: 706-2300/301-200
System cable; for Siemens S7-300; 2 x 16 digital inputs or outputs; Length: 2 m; Conductor cross-section: 0.14 mm²

Item No.: 706-2300/301-300
System cable; for Siemens S7-300; 2 x 16 digital inputs or outputs; Length: 3 m; Conductor cross-section: 0.14 mm²

Item No.: 706-2300/100-100
System cable; for Siemens S7-300; 2 x 16 digital inputs; Length: 1 m; Conductor cross-section: 0.34 mm²

Item No.: 706-2300/100-200
System cable; for Siemens S7-300; 2 x 16 digital inputs; Length: 2 m; Conductor cross-section: 0.34 mm²

Item No.: 706-2300/100-300
System cable; for Siemens S7-300; 2 x 16 digital inputs; Length: 3 m; Conductor cross-section: 0.34 mm²

Item No.: 706-2300/200-100
System cable; for Siemens S7-300; 2 x 16 digital outputs; Length: 1 m; Conductor cross-section: 0.14 mm²

Item No.: 706-2300/200-200
System cable; for Siemens S7-300; 2 x 16 digital outputs; Length: 2 m; Conductor cross-section: 0.14 mm²

Item No.: 706-2300/200-300
System cable; for Siemens S7-300; 2 x 16 digital outputs; Length: 3 m; Conductor cross-section: 0.14 mm²

Item No.: 706-7753/301-200
System cable; for WAGO-I/O-SYSTEM, 753 Series; 2 x 16 digital inputs or outputs; Length: 2 m; Conductor cross-section: 0.14 mm²

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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

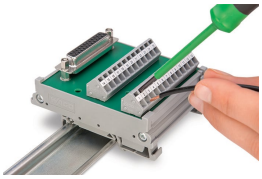
1.1.3 Tool

1.1.3.1 Operating tool

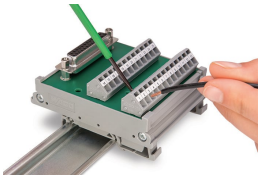
Item No.: 210-720
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

Installation Notes

Conductor termination

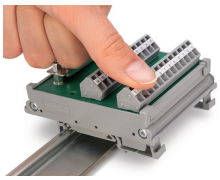


Conductor termination – screwdriver actuation parallel to conductor entry

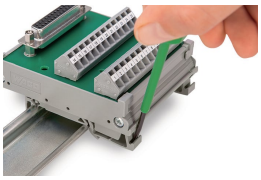


Conductor termination – screwdriver actuation perpendicular to conductor entry

Installation



Snapping a module onto DIN-rail.



Removing a module from the DIN-rail.