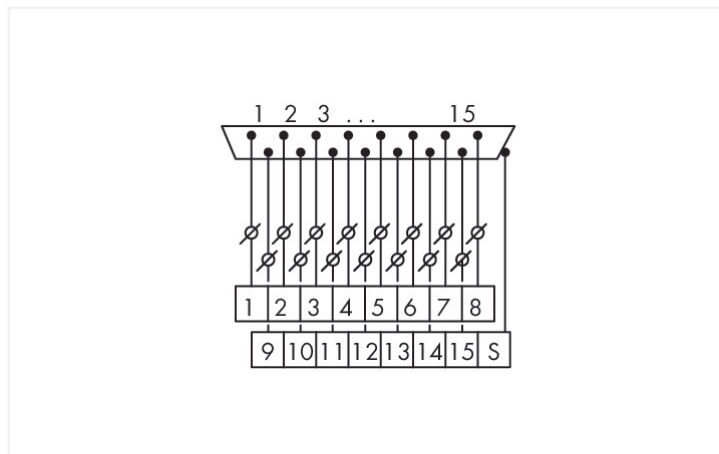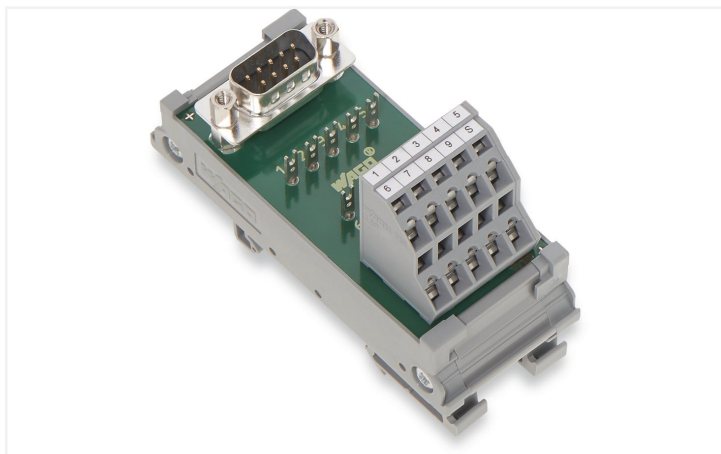# Data Sheet | Item Number: 289-720

Interface module; with solder pin; Male connector; 9-pole; Double-deck PCB terminal blocks; in mounting carrier; Mating connector for solder connection; 2,50 mm²

https://www.wago.com/289-720

Notes

Note	One solder terminal per pole is available for testing and patching (except for shield contact).

Electrical data

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

Safety and protection

Rated voltage	50 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

Connection data

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

Connection 1

Connector	HD D-sub male connector
Pole number 1	9
Connection type 1	System
Note (conductor cross-section)	12 AWG: THHN, THWN
Mating direction	vertical

Connection 2

Design 2	PCB terminal blocks (double-deck)
Pole number 2	10
Connection type 2	Field
Connection technology 2	CAGE CLAMP®
WAGO connector 2	WAGO 736 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	33.5 mm / 1.319 inches
Height	85 mm / 3.346 inches
Depth from upper-edge of DIN-rail	48 mm / 1.89 inches

Mechanical data

Mounting type	DIN-35 rail
Housing design	Mounting carrier

Material data

Contact material (connector)	Au over Ni
Fire load	0.856 MJ
Weight	50.7 g

Environmental requirements

Ambient temperature (operation)	-20 … +50 ℃
Ambient temperature (storage)	-40 … +70 ℃
Relative humidity	≤ 85% (non-condensing)

Standards and specifications

Standards/specifications	EN 61010-2-201

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)	8 (1) pcs
Packaging type	Box
Country of origin	DE
GTIN	4045454367176
Customs tariff number	85366990990

Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates

Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate Name
EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 289-720	↓

Documentation

Bid Text

289-720	19.02.2019	xml 3.70 KB	↓
289-720	09.02.2015	doc 26.50 KB	↓

Instruction Leaflet

	pdf 1246.19 KB	↓

CAD/CAE-Data

CAD data

2D/3D Models 289-720	↓

CAE data

EPLAN Data Portal 289-720	↓
WSCAD Universe 289-720	↓
ZUKEN Portal 289-720	↓

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
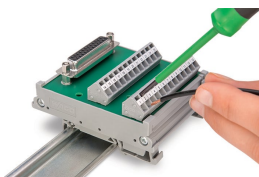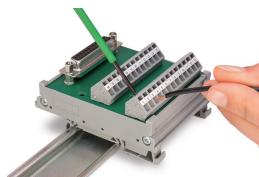
1.1.3.1 Operating tool

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

Installation Notes
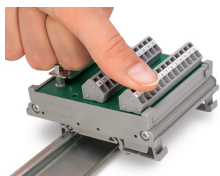
Conductor termination

Conductor termination – screwdriver actuation parallel to conductor entry
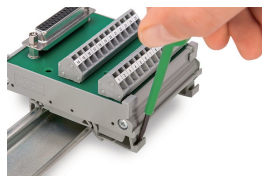
Conductor termination – screwdriver actuation perpendicular to conductor entry

Installation

Snapping a module onto DIN-rail.

Removing a module from the DIN-rail.

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

Current addresses can be found at:: www.wago.com