

## Data Sheet | Item Number: 288-512

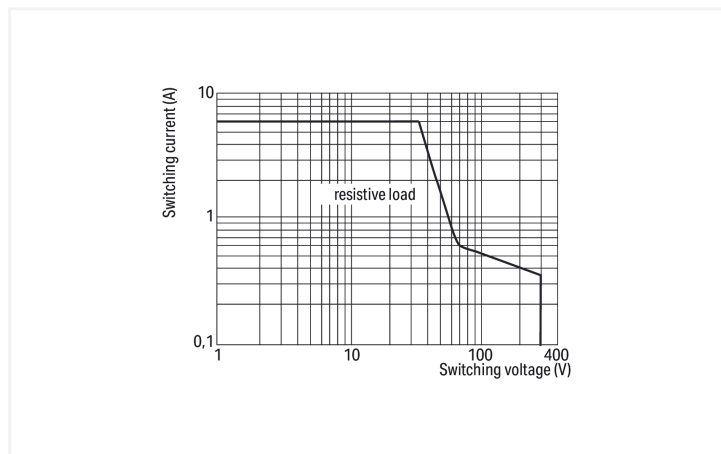
Relay module; Nominal input voltage: 24 V AC/DC; 2 changeover contacts; Limiting continuous current: 6 A; Module width: 23 mm; 2,50 mm<sup>2</sup>; gray

<https://www.wago.com/288-512>

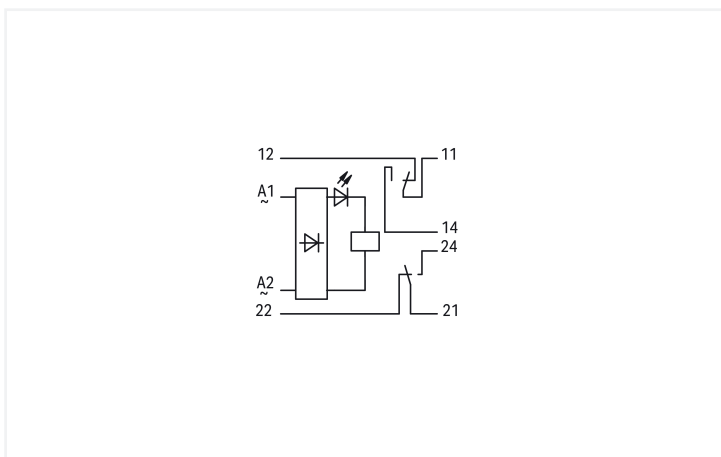


Color: ■ gray

Similar to illustration



DC load limit curve



### 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.

#### Note

To protect the relay coils and contacts, inductive loads must be dampened with an effective protection circuit.

### Technical data

#### Control circuit

Nominal input voltage $U_N$	24 VAC/VDC
Input voltage range	±10 %
Nominal input current at $U_N$	18.8 mA

#### Load circuit

Number of changeover/switchover contacts	2
Contact material (relay)	AgNi 0.15
Limiting continuous current	6 A
Inrush current (resistive) max.	(AC) 14 A / 4 s
Switching Voltage, Max.	250 VAC
Switching power (resistive) max.	AC 1500 VA; DC (see load limit curve)
Pull-in time (typ.)	8 ms
Drop-out time (typ.)	3 ms

### Load circuit

Bounce time (typ.)	2 ms
Electrical life (NO; resistive load; 23 °C)	100 x 10 <sup>3</sup> switching operations
Mechanical life	20 x 10 <sup>6</sup> switching operations

### Safety and protection

Rated Voltage	300 V
Rated impulse withstand voltage	2.5 kV
Overvoltage category	II
Pollution degree	2
Dielectric strength (control/load circuit) (AC, 1 min)	2 kVrms
Dielectric strength (open contact) (AC, 1 min)	1 kVrms
Dielectric strength (load/load circuit) (AC, 1 min)	1.5 kVrms
Insulation type (control/load circuit)	Basic insulation
Insulation type (between adjacent devices of the same type)	Reinforced insulation (safe isolation)
Insulation type (to adjacent devices of different types)	Basic insulation
Safety Information	<b>Notice!</b> 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.
Protection type	IP00

### Connection Data

Connection technology	CAGE CLAMP®
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	22.5 mm / 0.886 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
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### Material data

Note (material data)	<a href="#">Information on material specifications can be found here</a>
Color	gray
Fire load	0.89 MJ
Weight	47.1 g

### Environmental requirements

Ambient temperature (operation at U <sub>N</sub> )	-25 ... +40 °C
Ambient temperature (storage)	-40 ... +80 °C
Processing temperature	-25 ... +50 °C
Temperature range of connection cable	≥ (T <sub>ambient</sub> + 40 K)
Relative humidity	5 ... 85 % (no condensation permissible)
Operating altitude (max.)	2000 m

Standards and Specifications	
Standards/specifications	EN 61010-2-201

Commercial data	
Product Group	6 (INTERFACE ELECTRONIC)
PU (SPU)	10 (1) pcs
Packaging type	Box
Country of origin	CN
GTIN	4045454413750
Customs tariff number	85364900990

Product Classification	
UNSPSC	39122334
eCl@ss 10.0	27-37-16-01
eCl@ss 9.0	27-37-16-01
ETIM 9.0	EC001437
ETIM 10.0	EC001437
ECCN	NO US CLASSIFICATION

Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption

### Approvals / Certificates

General approvals			Declarations of conformity and manufacturer's declarations		
			<b>Approval</b>	<b>Standard</b>	<b>Certificate Name</b>
			EAC GZO Almaty Standart	TP TC 004/2011	EAC CoC 03080
			EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-

### Downloads

Environmental Product Compliance	
<b>Compliance Search</b>	
Environmental Product Compliance 288-512	<a href="#">↓</a>

## Documentation

Bid Text			
288-512	20.02.2019	docx 16.20 KB	↓
288-512	19.02.2019	xml 4.06 KB	↓

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

## CAD/CAE-Data

CAD data
2D/3D Models 288-512

CAE data
EPLAN Data Portal 288-512
WSCAD Universe 288-512
ZUKEN Portal 288-512

## 1 Compatible Products

### 1.1 Optional Accessories

#### 1.1.1 Marking

##### 1.1.1.1 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

#### 1.1.2 Tool

##### 1.1.2.1 Operating tool

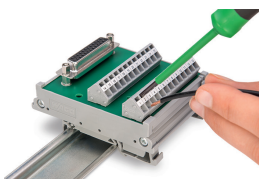


**Item No.: 210-720**

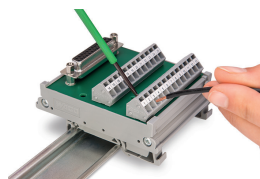
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

## Installation Notes

### Conductor termination

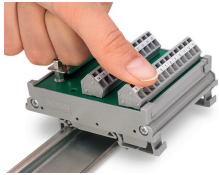


Conductor termination – screwdriver actuation parallel to conductor entry

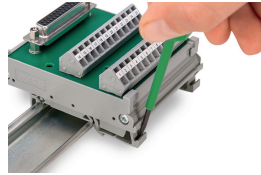


Conductor termination – screwdriver actuation perpendicular to conductor entry

Installation



Snapping a module onto DIN-rail.



Removing a module from the DIN-rail.