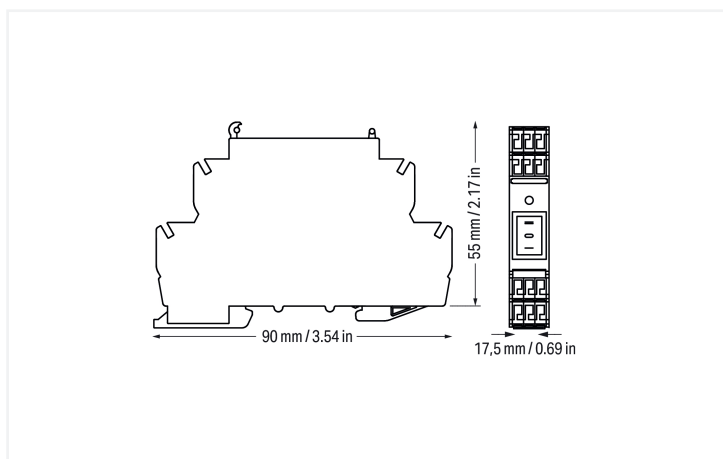
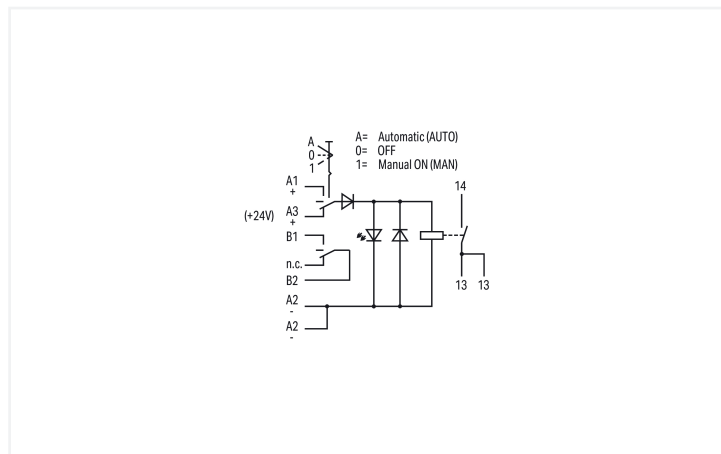


## Data Sheet | Item Number: 789-325

Relay module; Nominal input voltage: 24 VDC; 1 make contact; Limiting continuous current: 16 A; for lamp loads; Manual/OFF/Auto switch; Red status indicator; Module width: 18 mm



<https://www.wago.com/789-325>



### Short description:

WAGO's switching relays (789 Series) serve a wide variety of applications, from basic lighting control – homes, hotels and commercial structures – to comprehensive industrial control cabinets. Just 17.5 mm (0.689 inch) wide, the compact DIN-rail-mount enclosure is ideal for distribution boards and meter cabinets.

### Notes

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

#### Control circuit

Nominal input voltage $U_N$	24 VDC
Input voltage range	-15 ... +20 %
Nominal input current at $U_N$	19 mA
Nominal voltage (feedback contact)	24 VDC (SELV/PELV)
Power loss (max.) $P_{I(max)}$	0.7 W

#### Load circuit

Number of make/switch-on contacts	1
Contact material (relay)	AgSnO <sub>2</sub>
Limiting continuous current	16 A
Inrush current (resistive) max.	(AC) 120 A / 0.05 s
Switching Voltage, Max.	250 VAC
Switching power (resistive) max.	AC 4000 VA

### Load circuit

Recommended minimum load	12 V / 10 mA
Pull-in time (typ.)	15 ms
Drop-out time (typ.)	5 ms
Electrical life (NO; resistive load; 23 °C)	100 x 10 <sup>3</sup> switching operations
Mechanical life	10 x 10 <sup>6</sup> switching operations

### Signal contact

Switching voltage (max.) (signal contact)	30 VAC / 60 VDC
Limiting continuous current (signal contact)	4 A

### Signaling

Status indicator	Red LED
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### Safety and protection

Rated Voltage	300 V
Overvoltage category	III
Pollution degree	2
Dielectric strength (control/load circuit) (AC, 1 min)	4 kVrms
Dielectric strength (open contact) (AC, 1 min)	1 kVrms
Insulation type (control/load circuit)	Reinforced insulation (safe isolation)
Insulation type (open contact)	Functional insulation
Insulation type (load circuit/signal contact)	Reinforced insulation (safe isolation)
Insulation type (control circuit/signal contact)	Basic insulation (100 V working voltage); overvoltage category II
Insulation type (adjacent devices)	Reinforced insulation (safe isolation)
Protection type	IP20

### Connection Data

Connection technology	CAGE CLAMP®
Solid conductor	0.2 ... 2.5 mm <sup>2</sup> / 24 ... 14 AWG
Fine-stranded conductor	0.2 ... 2.5 mm <sup>2</sup> / 24 ... 14 AWG
Strip length	9 ... 10 mm / 0.35 ... 0.39 inches

### Physical data

Width	17.5 mm / 0.689 inches
Height	90 mm / 3.543 inches
Depth from upper-edge of DIN-rail	55 mm / 2.165 inches

### Mechanical data

Housing design	DIN-rail-mount enclosure
Mounting type	DIN-35 rail

### Material data

Note (material data)	<a href="#">Information on material specifications can be found here</a>
Fire load	9.648 MJ
Weight	57.8 g

### Environmental requirements

Ambient temperature (operation at $U_N$ )	-20 ... +40 °C
Ambient temperature (storage)	-40 ... +70 °C
Processing temperature	-25 ... +50 °C
Temperature range of connection cable	$\geq (T_{\text{ambient}} + 30 \text{ K})$
Relative humidity	$\leq 75 \%$ (no condensation permissible)
Operating altitude (max.)	2000 m

### Standards and Specifications

Standards/specifications	EN 61010-2-201
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### Commercial data

Product Group	6 (INTERFACE ELECTRONIC)
PU (SPU)	10 (1) pcs
Packaging type	Box
Country of origin	DE
GTIN	4050821110132
Customs tariff number	85364900990

### Product Classification

UNSPSC	39122334
eCl@ss 10.0	27-14-23-09
eCl@ss 9.0	27-14-23-09
ETIM 9.0	EC001437
ETIM 10.0	EC001437
ECCN	NO US CLASSIFICATION

### Environmental Product Compliance

CAS-No.	7439-92-1 79-94-7
REACH Candidate List Substance	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol Lead
RoHS Compliance Status	Compliant,With Exemption
RoHS Exemption	7(a)
SCIP notification number (Bulgaria)	9ab008c8-4341-4e8b-8e29-5eb1fddb2ce3
SCIP notification number (Czech Republic)	3d318371-7d5c-4442-b0b8-f3811c5a9265

### Approvals / Certificates

#### General approvals

#### Declarations of conformity and manufacturer's declarations



Approval	Standard	Certificate Name
EAC GZO Almaty Standart	TP TC 004/2011	EAC CoC 03084

Approval	Standard	Certificate Name
EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 789-325



Documentation

Bid Text

789-325	19.02.2019	xml 4.43 KB	
789-325	20.02.2019	docx 16.77 KB	
ausschreiben.de 789-325			

Instruction Leaflet

Operation and Assembly Instructions Interface	V 1.0.0 02.04.2025	pdf 1246.19 KB	
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CAD/CAE-Data

CAD data

2D/3D Models 789-325



CAE data

EPLAN Data Portal 789-325	
WSCAD Universe 789-325	
ZUKEN Portal 789-325	

1 Compatible Products

1.1 Optional Accessories

1.1.1 Ferrule

1.1.1.1 Ferrule



[Item No.: 216-241](#)

Ferrule; Sleeve for 0.5 mm<sup>2</sup> / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white

[Item No.: 216-242](#)

Ferrule; Sleeve for 0.75 mm<sup>2</sup> / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray

[Item No.: 216-243](#)

Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red

[Item No.: 216-244](#)

Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black

## 1.1.2 Jumper

### 1.1.2.1 Jumper



**Item No.: 789-112**

Jumper; 12-way; silver-colored

## 1.1.3 Tool

### 1.1.3.1 Operating tool

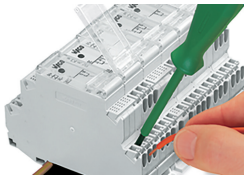


**Item No.: 210-720**

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

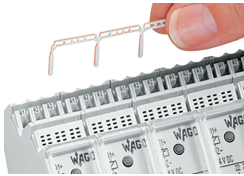
## Installation Notes

### Conductor termination



Inserting a conductor.

### Commoning



Easy commoning via adjacent jumpers.

### Marking



Marking via Mini-WSB Quick Marking System.