

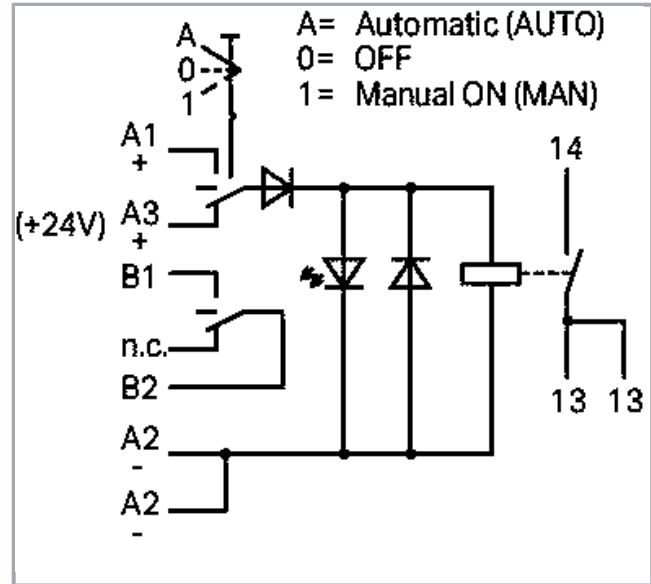
Data sheet | Item number: 789-325

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

www.wago.com/789-325



RoHS Compliant



Item description

Note:

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

Data

Technical Data

Control circuit

Nominal input voltage U_N	DC 24 V
Input voltage range	-15 ... +20 %
Nominal input current at U_N	19 mA
Max. power loss $P_{v \text{ max.}}$	0,6 W

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

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Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.

Load circuit:

Number of make contacts/switch on contacts	1
Contact material (relay)	AgSnO ₂
Limiting continuous current	16 A
Max. make current (resistive)	(AC) 120 A / 0,05 s
Max. switching voltage	AC 250 V
Max. switching power (resistive)	AC 4000 VA; DC (see load limit curve)
Recommended minimum load	12 V / 10 mA
Pull-in time (typ.)	15 ms
Drop-out time (typ.)	5 ms
Electrical life (N.O.; resistive load; 23 °C)	100 x 10 ³ switching operations
Mechanical life	10 x 10 ⁶ switching operations

Signaling

Status indication	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/monitoring contact)	Reinforced insulation (safe isolation)
Insulation type (adjacent devices)	Reinforced insulation (safe isolation)
Protection class	IP20

Connection data

Connection technology	CAGE CLAMP®
Solid conductor	0,2 ... 2,5 mm ² / 24 ... 14 AWG
Fine-stranded conductor	0,2 ... 2,5 mm ² / 24 ... 14 AWG
Strip length	9 ... 10 mm / 0.35 ... 0.39 inch

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

Geometrical Data

Width	17,5 mm / 0.689 inch
Height from upper-edge of DIN-35 rail	55 mm / 2.165 inch
Depth	90 mm / 3.543 inch

Mechanical data

Type of mounting	DIN-35 rail
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Material Data

Fire load	9.71 MJ
Weight	57.8 g

Environmental Requirements

Surrounding air (operating) temperature at U _N	-20 ... 40 °C
Surrounding air (storage) temperature	-40 ... 70 °C
Processing temperature	-25 ... +50 °C
Relative humidity	≤ 75% (no condensation permissible)
Max. operating altitude	2000 m

Standards and specifications

Standards/specifications	EN 61010-2-201
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Commercial data





Product Group	6 (Interface Electronics)
Packaging type	BOX
Country of origin	DE
GTIN	4050821110132
Customs Tariff No.	85364900990

Counterpart


Compatible products

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


ferrule

	Item no.: 216-241 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white	www.wago.com/216-241
	Item no.: 216-242 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray	www.wago.com/216-242
	Item no.: 216-243 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red	www.wago.com/216-243
	Item no.: 216-244 Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black	www.wago.com/216-244


Jumper

	Item no.: 789-112 Push-in type jumper bar; 12-way; Nominal current 16 A; unplated; silver-colored	www.wago.com/789-112
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tools

	Item no.: 210-720 Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft	www.wago.com/210-720
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Marking accessories

	Item no.: 248-504 Mini-WSB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; white	www.wago.com/248-504
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Downloads

Documentation

Bid Text

789-325 GAEB docx - Datei	Feb 20, 2019	docx 17.2 kB	Download
789-325 GAEB X81 - Datei	Feb 19, 2019	xml 4.5 kB	Download

Instruction Leaflet

		pdf 1.3 MB	Download
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Additional Information

Disposal; Electrical and electronic equipment, Packaging	V 1.0.0	pdf 265.8 kB	Download
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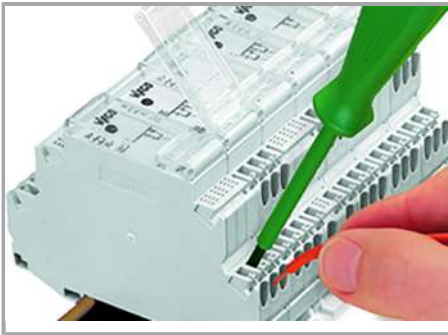
CAD/CAE-Data

CAD data

2D/3D Models 789-325	URL	Download
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CAE data		
EPLAN Data Portal 789-325	URL	Download
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WSCAD Universe 789-325	URL	Download

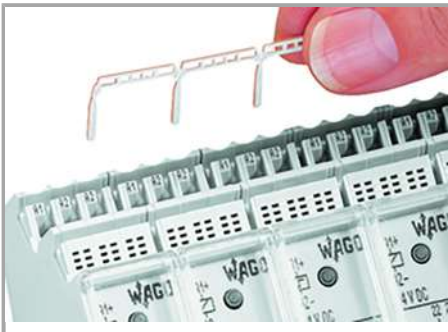
Installation Notes

Inserting a conductor



Connection of conductor.

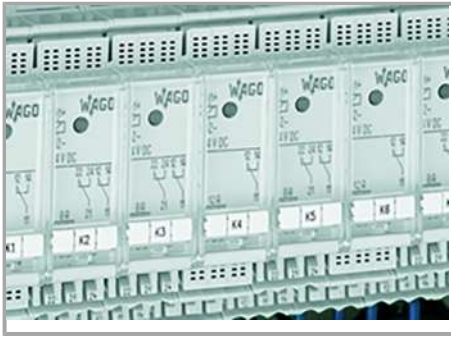
Jumpered



Easy commoning using adjacent jumpers

Marking

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



Marking using miniature WSB quick marking card

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