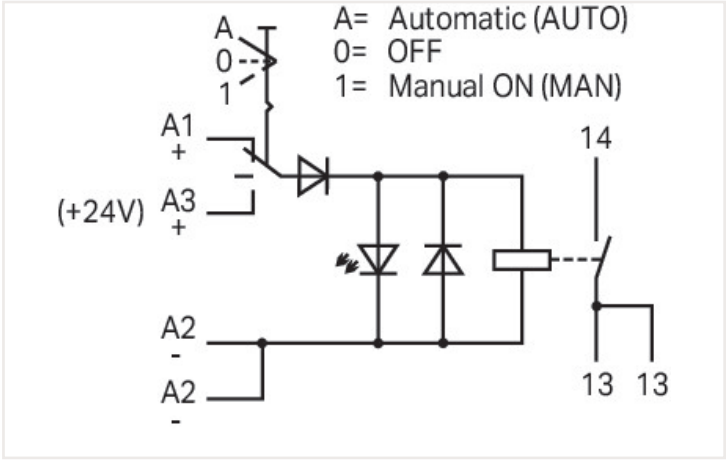


Data sheet | Item number: 789-323

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; 2,50 mm²; gray



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.

Technical data			
Control circuit		Load circuit	
Nominal input voltage U_N	DC 24 V	Number of make/switch-on contacts	1
Input voltage range	-15 ... +20 %	Contact material (relay)	AgSnO ₂
Nominal input current at U_N	19 mA	Limiting continuous current	16 A
		Inrush current (resistive) max.	(AC) 120 A / 0.05 s
		Switching voltage (max.)	AC 250 V
		Switching power (resistive) max.	AC 4000 VA
		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 ³ switching operations
		Mechanical life	10 x 10 ⁶ switching operations

Signaling	
Status indicator	Red LED

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)

Safety and protection

Insulation type (open contact)	Functional insulation
Insulation type (adjacent devices)	Reinforced insulation (safe isolation)
Protection type	IP20

Connection data

Connection technology	CAGE CLAMP®
Solid conductor	0.2 ... 2.5 mm² / 24 ... 14 AWG
Fine-stranded conductor	0.2 ... 2.5 mm² / 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

Mounting type	DIN-35 rail
---------------	-------------

Material data

Color	gray
Fire load	5.209 MJ
Weight	54.2 g

Environmental requirements

Ambient temperature (operation at U_N)	-20 ... 40 °C
Surrounding air temperature (storage)	-40 ... +70 °C
Processing temperature	-25 ... +50 °C
Temperature range of connection cable per EN 61010-2-201	$\geq (T_{\text{ambient}} + 30 \text{ K})$
Relative humidity	$\leq 75\%$ (no condensation permissible)
Operating altitude (max.)	2000 m

Standards and specifications

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

Commercial data

Product Group	6 (Interface Electronics)
eCl@ss 10.0	27-14-23-09
eCl@ss 9.0	27-14-23-09
ETIM 8.0	EC001437
ETIM 7.0	EC001437
PU (SPU)	10 (1) Stück
Packaging type	Box
Country of origin VKOrg Germany	DE
GTIN	4045454550608
Customs tariff number VKOrg Germany	85364900990

Approvals and certificates

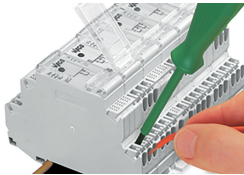
Country specific Approvals



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

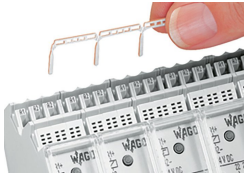
Installation notes

Conductor termination



Inserting a conductor.

Commoning



Easy commoning via adjacent jumpers.

Marking



Marking via Mini-WSB Quick Marking System.