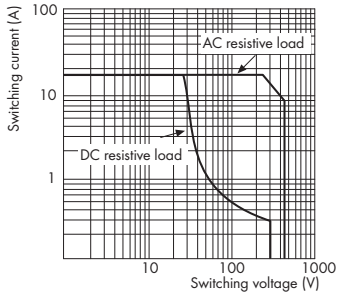


# Relay Modules in DIN-Rail Mounted Enclosure



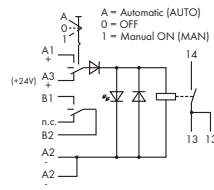
	<b>Relay with 1 make contact (1 a), manual-0-automatic switch with monitoring contact</b>	<b>Capability of different lamp loads: (switching operations acc. to EN 60669)</b>
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Contact life, type of load	Capability	Electrical life
Incandescent lamp	2200 W	20,000
Halogen lamp 230 VAC	1400 W	50,000
Halogen trafo	120 VA	20,000
Fluorescent lamp not comp., CCG ①,		
cos φ 0.406	20 x 58 W	25,000
Fluorescent lamp comp., CCG ①, C parallel	9 x 58 W	25,000
Fluorescent lamp comp., CCG ①, Duo-circuit	600 W	20,000
Fluorescent lamp with ECG ②	12 x 58 W	25,000
Energy saving lamp 15 W	25 pcs	20,000
Energy saving lamp 13 W	30 pcs	20,000
Energy saving lamp 9 W	38 pcs	20,000
Gas discharge lamp	1000 W	20,000
Dulux-Lamp not compensated	800 W	20,000
Dulux-Lamp compensated	500 W	20,000
Max. capacitance at 230 VAC	60 µF	> 5,000

① CCG = Conventional Control Gear  
② ECG = Electronic Control Gear

Load limit curve



**Note:** Inductive loads have to be attenuated by an appropriate protective circuit in order to protect relay coils and contacts!

Description	V <sub>N</sub>	Item No.	Pack. Unit
Relay modules in DIN-rail mounted enclosure, for DIN 35 rail	24 V DC	789-325	1

Technical Data		Accessories see page 162
Contact material	Ag alloy	
Input voltage range	V <sub>N</sub> -15 % ... +20 %	
Current input at rated voltage (coil 20 °C)	19mA	
Max. switching voltage	250 V AC	
Max. make current	120 A at 230 V AC (50 ms)	
Max. continuous current	16 A	
Max. Switching power (resistive)	4000 VA AC, resistance see load limit curve	
Recommended minimum load	> 100 mA / 12 V AC/DC	
Operating power	400 mW	
Pull-in/drop-out/bounce time typ.	15 ms / 5 ms / -	
Nominal operating mode	continuous duty	
Dielectric strength contact-coil	4 kV <sub>eff</sub>	
Surge capacity open contact	1 kV <sub>eff</sub>	
Nominal voltage acc. to IEC 60664-1	250 V / 4 kV / 3	
Mechanical life	10 x 10 <sup>6</sup> switching operations	
Mechanical life at max. load (resistance)	min. 100.000 switching operations	
Mechanical life at max. lamp load	see "Lamp loads" table	
Signaling	Isolated monitoring contact (B1/B2 closed in automatic mode; max. 1 A, 250 V AC)	
Ambient operating temperature	-25 °C ... +40 °C	
Storage temperature	-40 °C ... +70 °C	
Dimensions (mm) W x H x L	17,5 x 55 x 90	
Wire connection	Height from upper-edge of DIN 35 rail CAGE CLAMP®	
Cross sections	0.08 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> / AWG 28 ... 14	
Stripped lengths	5 ... 6 mm / 0.22 in	
Standards/Specifications	DIN VDE 0160 EN 50178, degree of protection II	