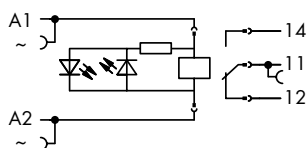
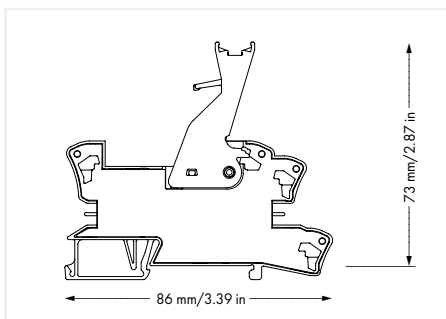


# Relay Module 788 Series



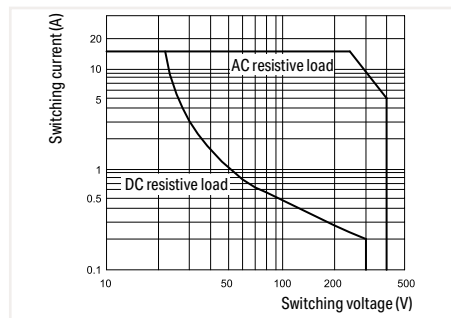
Relay Module; 1 changeover contact; Limiting continuous current: 16 A; Manually operated; Status indicator: red; 15 mm wide

$U_N$	$I_N$	Item No.	Pack. Unit
24 VAC	31.6 mA	788-541	15
115 VAC	6.6 mA	788-543	15
230 VAC	3.2 mA	788-544	15



**Note:**

- Reinforced insulation between coil and contacts
- A separator plate (e.g., 209-191) must be used for voltages greater than 250 V between adjacent relay modules and for compliance with the reinforced insulation requirements.
- To protect the relay coils and contacts, inductive loads must be dampened with an effective protection circuit.



DC Load Limit Curve

### Control Circuit

Input voltage range	±10 %
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### Load Circuit

Number of changeover/switchover contacts	1
Contact material	AgNi
Limiting continuous current	16 A
Inrush current (resistive) max.	24 A (AC) / 4 s; 32 A / 20 ms
Switching voltage (max.)	250 VAC
Switching power (resistive) max.	4000 VA (AC); DC see load limit curve
Switching capacity	AC 15: 3 A / 240 VAC; DC 13: 2 A / 24 VDC
Recommended minimum load	12 V / 10 mA
Pull-in time (typ.)	15 ms
Drop-out time (typ.)	8 ms
Bounce time (typ.)	6 ms
Electrical life (NO; resistive load; 23 °C)	10 x 10 <sup>3</sup> switching operations
Mechanical life	5 x 10 <sup>6</sup> switching operations
Switching load with/without load (max.)	6 min <sup>-1</sup> / 300 min <sup>-1</sup>

### Signaling

Status indicator	Red LED; mechanical
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### Safety and Protection

Rated voltage	250 V
Rated surge voltage	4 kV
Pollution degree	3
Dielectric strength, control/load circuit (AC, 1 min)	5 kV <sub>rms</sub>
Dielectric strength, open contact (AC, 1 min)	1 kV <sub>rms</sub>
Protection type	IP20

### Connection Data

Connection technology	Push-in CAGE CLAMP®
Solid conductor	0.34 ... 2.5 mm <sup>2</sup> / 22 ... 14 AWG
Fine-stranded conductor	0.34 ... 2.5 mm <sup>2</sup> / 22 ... 14 AWG
Strip length	9 ... 10 mm / 0.35 ... 0.39 inch

### Physical Data

Width	15 mm / 0.591 inch
Height from upper-edge of DIN-rail	73 mm / 2.874 inch
Depth	86 mm / 3.386 inch

### Mechanical Data

Mounting type	DIN-35 rail
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### Material Data

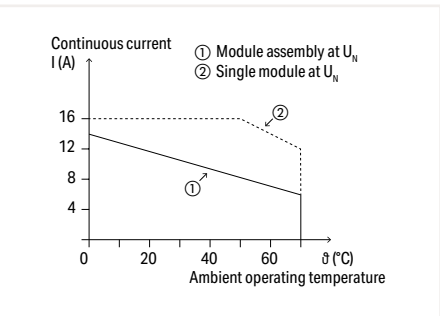
Weight	47 g
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### Environmental Requirements

Surrounding air temperature (operation at $U_N$ )	-40 ... +70 °C
Surrounding air temperature (storage)	-40 ... +70 °C
Processing temperature	-25 ... +50 °C

### Standards and Specifications

Standards/specifications	EN 61010-2-201; EN 61810-1; EN 61373; UL 508 (max. 10 A)
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Current-Carrying Capacity Curve