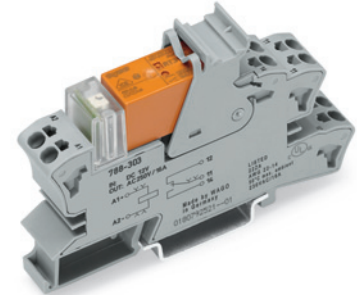
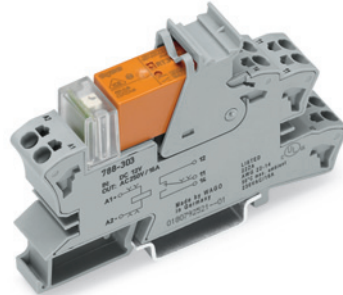
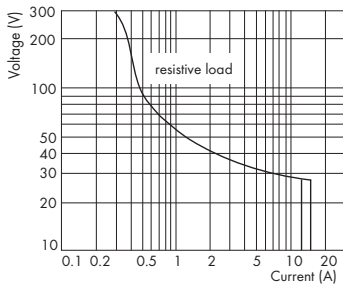


# Relay Sockets with Miniature Switching Relay



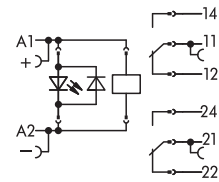
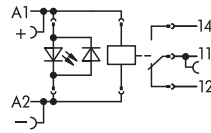
	<b>Relay with 1 changeover contact and status indication</b> <b>(Relay height: 15 mm)</b> <b>Nominal input voltage <math>V_N</math></b> <b>12 V, 24 V, 48 V, 60 V, 110 V DC</b>	<b>Relay with 2 changeover contacty and status indication</b> <b>(Relay height: 15 mm)</b> <b>Nominal input voltage <math>V_N</math></b> <b>12 V, 24 V, 48 V, 60 V, 110 V DC</b>
--	--	---



Load limit curve for 788-303 to 788-307, 788-506, 788-507 and 788-508

**Notes:**

- Safe isolation between coil and contacts per DIN EN 50178
- A separator plate (e.g., 209-191) must be used for voltages greater than 250 V between adjacent relay modules and for safe isolation.
- Inductive loads have to be attenuated by an appropriate protective circuit in order to protect relay coils and contacts.



Description	$V_N$	$I_N$	Item No.	Pack. Unit	$V_N$	$I_N$	Item No.	Pack. Unit
Relay socket with miniature switching relay, for DIN 35 rail	12 V DC	36 mA	<b>788-303</b>	1	12 V DC	36 mA	<b>788-311</b>	1
	24 V DC	19.1 mA	<b>788-304</b>	1	24 V DC	19.1 mA	<b>788-312</b>	1
	48 V DC	11 mA	<b>788-305</b>	1	48 V DC	11 mA	<b>788-313</b>	1
	60 V DC	10.5 mA	<b>788-306</b>	1	60 V DC	10.5 mA	<b>788-314</b>	1
	110 V DC	6 mA	<b>788-307</b>	1	110 V DC	6 mA	<b>788-315</b>	1

Technical Data	Accessories see pages 50 ... 55	
<b>Coil:</b>		
Input voltage range	$V_N \pm 10\%$	$V_N \pm 10\%$
<b>Contacts:</b>		
Contact material	AgNi 90/10	AgNi 90/10
Max. continuous current	16 A	2 x 8 A
Max. make current	4 s 30 A (AC)	4 s 15 A (AC)
Max. switching voltage	250 VAC	250 VAC
Max. switching power (resistive)	4 kVA AC, DC see load limit curve	2 x 2 kVA AC, DC see load limit curve
Recommended minimum load	12 VDC / 10 mA	12 VDC / 10 mA
Pull-in/drop-out/bounce time typ.	8 ms / 6 ms / 6 ms	8 ms / 6 ms / 10 ms
Mechanical life	30 x 10 <sup>6</sup> switching operations	30 x 10 <sup>6</sup> switching operations
<b>General specifications:</b>		
Nominal voltage to EN 60664-1	250 V / 4 kV / 3	250 V / 4 kV / 3
Dielectric strength, contact-coil (AC, 1 min)	5 kV <sub>rms</sub>	5 kV <sub>rms</sub>
Dielectric strength open contact (AC, 1 min)	1 kV <sub>rms</sub>	1 kV <sub>rms</sub>
Dielectric strength contact-contact (AC, 1 min)	-	2.5 kV <sub>rms</sub>
Ambient operating temperature at $V_N$	-25 °C ... +50 °C	-25 °C ... +50 °C
Storage temperature	-40 °C ... +70 °C	-40 °C ... +70 °C
Dimensions (mm) W x H x L	15 x 54 x 86	15 x 54 x 86
Wire connection	Height from upper-edge of DIN 35 rail Push-in CAGE CLAMP®	Height from upper-edge of DIN 35 rail Push-in CAGE CLAMP®
Cross sections	0.34 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> / AWG 22 ... 12	0.34 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> / AWG 22 ... 12
Strip length	9 ... 10 mm / 0.35 ... 0.39 in	9 ... 10 mm / 0.35 ... 0.39 in
Standards/specifications	EN 60664-1; EN 61810-5; EN 61810-1; UL 508 (788-307: UL 508, max. 40 °C/10 A)	EN 61140; EN 50178; UL 508 (788-315: UL 508, max. 40 °C)