

Relay Socket with Small Switching Relay

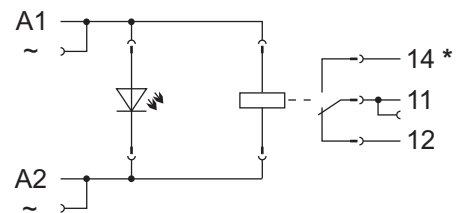
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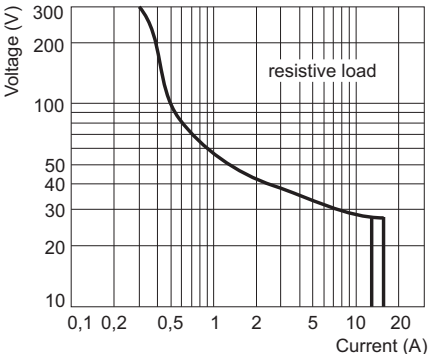
Socket with relay (1 changeover contact) and status indication

Data sheet



Similar photo



Description	Item-No.	Pack.-unit pcs																																																						
Socket with relay, AC 24 V, 1 changeover contact	788-506	1																																																						
• Relay socket for DIN 35 carrier rails. • Status indication through pluggable LED module (red). • Insulated, pluggable jumper system suitable for both coil and load side. • CAGE CLAMP® S connection. Solid wires, fine-stranded wires with crimped ferrules or ultrasonically bonded wire ends can be inserted directly. • Quick exchange of the relay and the status indication during maintenance, without having to detach the wiring. • Safe electrical isolation in accordance with DIN VDE 0140 Part 1. DC-Load limiting value graph  Note: Inductive loads have to be attenuated by an appropriate protective circuit in order to protect relay coils and contacts !	Technical Data <table><tr><td>Contact material</td><td>AgNi 90/10</td></tr><tr><td>Input nominal voltage U_N</td><td>AC 24 V</td></tr><tr><td>Input voltage range</td><td>U_N ± 10 %</td></tr><tr><td>Current input at U_N (20 °C)</td><td>34 mA</td></tr><tr><td>Max. switching voltage</td><td>AC 250 V</td></tr><tr><td>Max. making current (resistive)</td><td></td></tr><tr><td>at 10 % continuous duty</td><td>4 s (AC) 30 A</td></tr><tr><td>Max. continuous current</td><td>16 A</td></tr><tr><td>Max. switching power</td><td></td></tr><tr><td>(resistive)</td><td>AC 4000 VA</td></tr><tr><td>(resistive)</td><td>DC see load limiting value graph</td></tr><tr><td>Max. number of switching operations with/without load</td><td>6 min⁻¹ / 1200 min⁻¹</td></tr><tr><td>Operating power</td><td>0.75 VA</td></tr><tr><td>Pull-in/dropout/bounce time_{typ.}</td><td>7 ms / 3 ms / 3 ms</td></tr><tr><td>Operation at normal rating</td><td>100 % continuous duty</td></tr><tr><td>Dielectric strength</td><td></td></tr><tr><td>contact/coil</td><td>5 kV_{rms.}</td></tr><tr><td>open contact</td><td>1 kV_{rms.}</td></tr><tr><td>Nominal voltage acc. to VDE 0110 Part1 / 4.97</td><td></td></tr><tr><td>IEC 60664-1</td><td>250 V / 4 kV / 3</td></tr><tr><td>Mechanical life</td><td>10 x 10⁶ switching operations</td></tr><tr><td>Degree of protection</td><td>IP 20</td></tr><tr><td>Relay type</td><td>RT 1</td></tr><tr><td>Ambient operating temperature</td><td>-25 °C ... +50 °C</td></tr><tr><td>Storage temperature</td><td>-40 °C ... +70 °C</td></tr><tr><td>Dimensions (WxHxD)</td><td>(15x53**x86) mm / (0.59x2.09x3.39) in</td></tr><tr><td></td><td>** from upper edge of DIN 35 rail</td></tr></table> The terminals 11-11, 12-12 and 14-14 are bridged only when the Relay is inserted into the socket.		Contact material	AgNi 90/10	Input nominal voltage U _N	AC 24 V	Input voltage range	U _N ± 10 %	Current input at U _N (20 °C)	34 mA	Max. switching voltage	AC 250 V	Max. making current (resistive)		at 10 % continuous duty	4 s (AC) 30 A	Max. continuous current	16 A	Max. switching power		(resistive)	AC 4000 VA	(resistive)	DC see load limiting value graph	Max. number of switching operations with/without load	6 min ⁻¹ / 1200 min ⁻¹	Operating power	0.75 VA	Pull-in/dropout/bounce time _{typ.}	7 ms / 3 ms / 3 ms	Operation at normal rating	100 % continuous duty	Dielectric strength		contact/coil	5 kV _{rms.}	open contact	1 kV _{rms.}	Nominal voltage acc. to VDE 0110 Part1 / 4.97		IEC 60664-1	250 V / 4 kV / 3	Mechanical life	10 x 10 ⁶ switching operations	Degree of protection	IP 20	Relay type	RT 1	Ambient operating temperature	-25 °C ... +50 °C	Storage temperature	-40 °C ... +70 °C	Dimensions (WxHxD)	(15x53**x86) mm / (0.59x2.09x3.39) in		** from upper edge of DIN 35 rail
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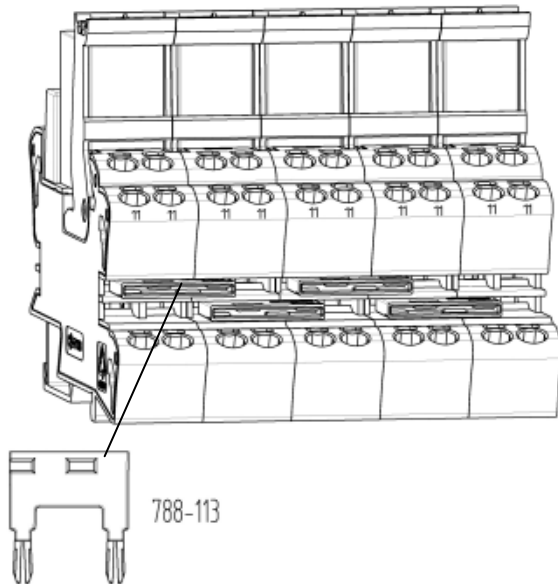
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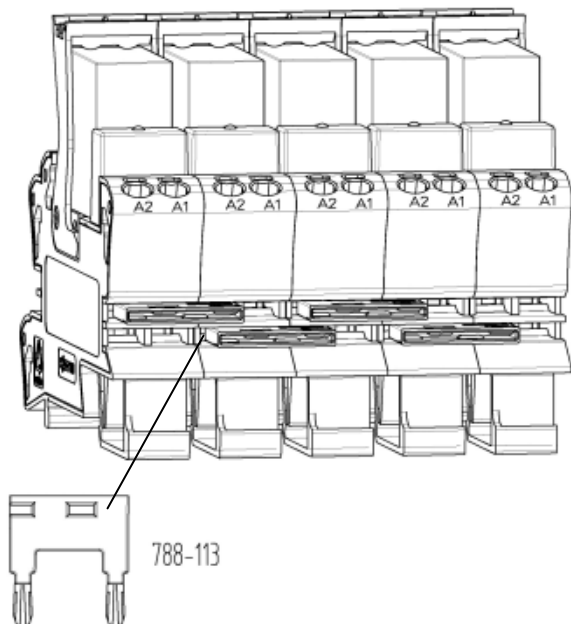
Commoning possibilities on the contact side:

-relay spanning contacts 11/11



Commoning possibilities on the coil side:

-contacts A2/A2



Wire connection	CAGE CLAMP® S 0,34-2,5 mm² / AWG 22-12
Stripped length	9-10 mm / 0.37 in
Standards / prescriptions	DIN VDE 0140 Part1, DIN EN 61140 DIN VDE 0160, EN 50178 Class of protection II
Approvals	cUL _{us} UL508 / CSA22.2; 10 A E175199 Only use replacement relay 788-170 for UL applications (see accessories)
Accessories:	
Comb type jumper bar	
18 A, 2-way	788-113
18 A, 3-way	788-114
18 A, 4-way	788-115
18 A, 6-way	788-116
18 A, 8-way	788-117
18 A, 2-way	859-402
Operation indication AC 24 V	788-123
Relay RT1, 1 CO	788-170
WMB Multi marking system	(General catalogue W3 Vol.1 Chapt.8)