

Relay Socket with Small Switching Relay

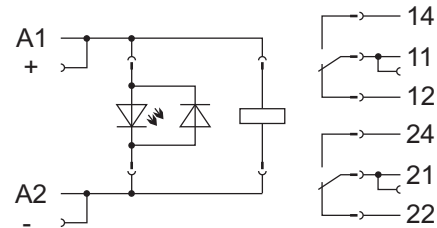
1/2

Socket with relay (2 changeover contacts) and status indication

Data sheet



Similar photo



Description	Item-No.	Pack.-unit pcs																																																											
Socket with relay, DC 24 V, 2 changeover contacts	788-312	1																																																											
<ul style="list-style-type: none"> • 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. <p>DC-Load limiting value graph</p> <p>Note: Inductive loads have to be attenuated by an appropriate protective circuit in order to protect relay coils and contacts !</p>	<p>Technical Data</p> <table border="1"> <tr><td>Contact material</td><td>AgNi 90/10</td></tr> <tr><td>Input nominal voltage U_N</td><td>DC 24 V</td></tr> <tr><td>Input voltage range</td><td>$U_N \pm 10 \%$</td></tr> <tr><td>Current input at U_N (20 °C)</td><td>19 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) 15 A</td></tr> <tr><td>Max. continuous current</td><td>2 x 8 A</td></tr> <tr><td></td><td>2 x 6 A (at 60 °C, 1.25 x U_N)</td></tr> <tr><td></td><td>2 x 3 A (at 70 °C)</td></tr> <tr><td>Max. switching power (resistive)</td><td>2 x AC 2000 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>400 mW_{typ.}</td></tr> <tr><td>Pull-in/dropout/bounce time_{typ.}</td><td>7 ms / 2 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</td></tr> <tr><td>open contact</td><td>1 kV</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>30 x 10⁶ switching operations</td></tr> <tr><td>Degree of protection</td><td>IP 20</td></tr> <tr><td>Relay type</td><td>RT 2</td></tr> <tr><td>Ambient operating temperature</td><td>-25 °C...+50 °C</td></tr> <tr><td></td><td>-25 °C...+60 °C (at 2 x 6 A, 1.25 x U_N)</td></tr> <tr><td></td><td>-25 °C...+70 °C (at 2 x 3 A)</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>	Contact material	AgNi 90/10	Input nominal voltage U_N	DC 24 V	Input voltage range	$U_N \pm 10 \%$	Current input at U_N (20 °C)	19 mA	Max. switching voltage	AC 250 V	Max. making current (resistive)		at 10 % continuous duty	4 s (AC) 15 A	Max. continuous current	2 x 8 A		2 x 6 A (at 60 °C, 1.25 x U_N)		2 x 3 A (at 70 °C)	Max. switching power (resistive)	2 x AC 2000 VA	(resistive)	DC see load limiting value graph	Max. number of switching operations with/without load	6 min ⁻¹ / 1200 min ⁻¹	Operating power	400 mW _{typ.}	Pull-in/dropout/bounce time _{typ.}	7 ms / 2 ms / 3 ms	Operation at normal rating	100 % continuous duty	Dielectric strength		contact/coil	5 kV	open contact	1 kV	Nominal voltage acc. to VDE 0110 Part1 / 4.97		IEC 60664-1	250 V / 4 kV / 3	Mechanical life	30 x 10 ⁶ switching operations	Degree of protection	IP 20	Relay type	RT 2	Ambient operating temperature	-25 °C...+50 °C		-25 °C...+60 °C (at 2 x 6 A, 1.25 x U_N)		-25 °C...+70 °C (at 2 x 3 A)	Storage temperature	-40 °C...+70 °C	Dimensions (WxHxD)	(15x53*x86) mm / (0.59x2.09x3.39) in		* from upper edge of DIN 35 rail
Contact material	AgNi 90/10																																																												
Input nominal voltage U_N	DC 24 V																																																												
Input voltage range	$U_N \pm 10 \%$																																																												
Current input at U_N (20 °C)	19 mA																																																												
Max. switching voltage	AC 250 V																																																												
Max. making current (resistive)																																																													
at 10 % continuous duty	4 s (AC) 15 A																																																												
Max. continuous current	2 x 8 A																																																												
	2 x 6 A (at 60 °C, 1.25 x U_N)																																																												
	2 x 3 A (at 70 °C)																																																												
Max. switching power (resistive)	2 x AC 2000 VA																																																												
(resistive)	DC see load limiting value graph																																																												
Max. number of switching operations with/without load	6 min ⁻¹ / 1200 min ⁻¹																																																												
Operating power	400 mW _{typ.}																																																												
Pull-in/dropout/bounce time _{typ.}	7 ms / 2 ms / 3 ms																																																												
Operation at normal rating	100 % continuous duty																																																												
Dielectric strength																																																													
contact/coil	5 kV																																																												
open contact	1 kV																																																												
Nominal voltage acc. to VDE 0110 Part1 / 4.97																																																													
IEC 60664-1	250 V / 4 kV / 3																																																												
Mechanical life	30 x 10 ⁶ switching operations																																																												
Degree of protection	IP 20																																																												
Relay type	RT 2																																																												
Ambient operating temperature	-25 °C...+50 °C																																																												
	-25 °C...+60 °C (at 2 x 6 A, 1.25 x U_N)																																																												
	-25 °C...+70 °C (at 2 x 3 A)																																																												
Storage temperature	-40 °C...+70 °C																																																												
Dimensions (WxHxD)	(15x53*x86) mm / (0.59x2.09x3.39) in																																																												
	* from upper edge of DIN 35 rail																																																												

Relay Socket with Small Switching Relay

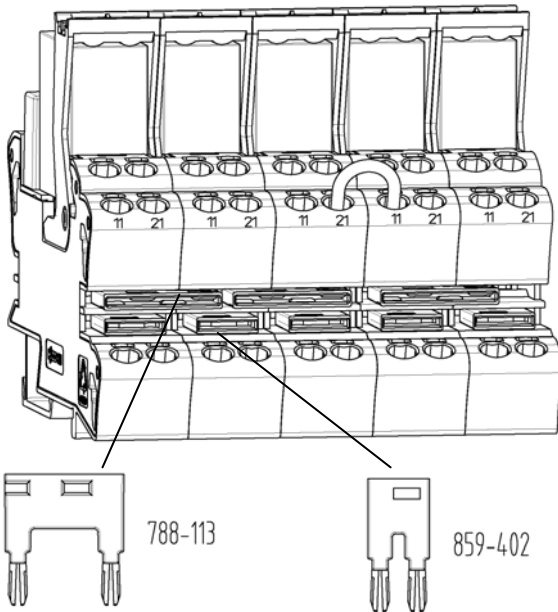
2/2

Socket with relay (2 changeover contacts) and status indication

Data sheet

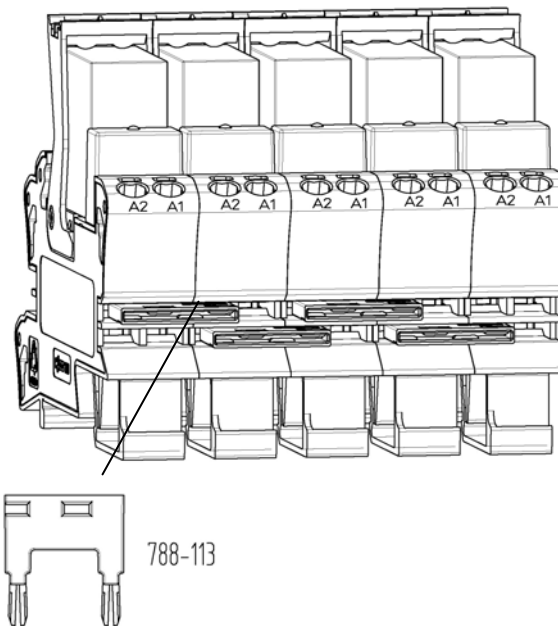
Commoning possibilities on the contact side:

- relay internal contacts 11/21
- relay spanning contacts 11/11



Commoning possibilities on the coil side:

- contacts A2/A2



Wire connection	CAGE CLAMP® S 0,34-2,5 mm ² / 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 E175199 Only use replacement relay 788-156 for UL applications (see accessories)
Approvals Relais	DIN EN 61810-1 (VDE 0435 Part 201): 2009 EN 61810-1:2008 IEC 61810-1:2008
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
Operat. indication DC 12-24 V	788-120
Relay RT2, 2 CO	788-156
WMB Multi marking system	(General catalogue W3 Vol.1 Chapt.8)