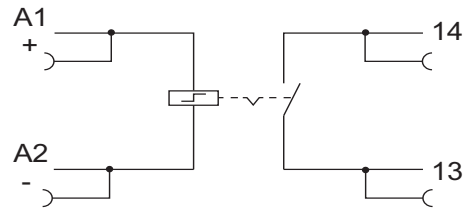
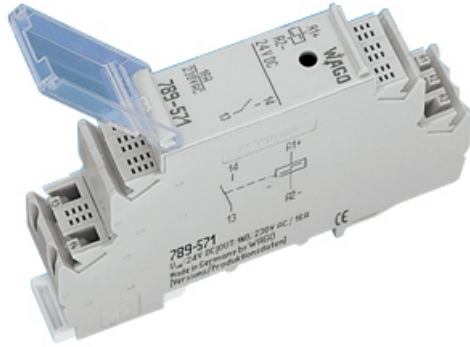


# Latching Relay

1 make contact

1/2

Data sheet



Description	Item-No.	Pack.-unit pcs																																																	
Latching relay, 1 make contact, DC 24 V	789-571	1																																																	
<ul style="list-style-type: none"> <li>Bistable, pure mechanical storage.</li> <li>Safe electrical isolation in acc. with EN 61140</li> <li>Same pulse for both switching positions</li> </ul> <table border="1" data-bbox="164 1272 673 1478"> <thead> <tr> <th>Type of load</th> <th>Max.load</th> </tr> </thead> <tbody> <tr> <td>Incandescent lamp load</td> <td>1500 W</td> </tr> <tr> <td>Fluorescent lamp test in Duo-circuit</td> <td>20 x 58 W series compensated</td> </tr> <tr> <td>Electronic ballasts*</td> <td>10 x 58 W</td> </tr> </tbody> </table> <p>*When using electronic ballast a make current 40-60 times higher might occur.</p> <p><b>Note:</b> Inductive loads have to be attenuated by an appropriate protective circuit in order to protect relay coils and contacts !</p>	Type of load	Max.load	Incandescent lamp load	1500 W	Fluorescent lamp test in Duo-circuit	20 x 58 W series compensated	Electronic ballasts*	10 x 58 W	<p><b>Technical Data</b></p> <p><b>Input:</b></p> <table border="1"> <tr> <td>Input nominal voltage <math>U_N</math></td> <td>DC 24 V</td> </tr> <tr> <td>Input voltage range</td> <td><math>U_N - 15\% \dots +20\%</math></td> </tr> <tr> <td>Current input at <math>U_N</math> (coil 20 °C)</td> <td>80 mA</td> </tr> <tr> <td>Minimum switch-on time</td> <td>40 ms</td> </tr> <tr> <td>Minimum break time</td> <td>180 ms</td> </tr> <tr> <td>Coil control</td> <td>pulse operation</td> </tr> </table> <p><b>Output:</b></p> <table border="1"> <tr> <td>Contact material</td> <td>AgSnO<sub>2</sub></td> </tr> <tr> <td>Recommended minimum load</td> <td>10 mA / 10 V</td> </tr> <tr> <td>Max. switching voltage</td> <td>AC 250 V</td> </tr> <tr> <td>Switching current min/max</td> <td>50 A (20 ms)</td> </tr> <tr> <td>Max. continuous current</td> <td>16 A</td> </tr> <tr> <td>Max. switching power (resistive)</td> <td>AC 4000 VA</td> </tr> <tr> <td>Operation at normal rating</td> <td>100 % continuous duty</td> </tr> <tr> <td>Max. operating frequency</td> <td></td> </tr> <tr> <td>With load / without load</td> <td>6 min<sup>-1</sup> / 5 s<sup>-1</sup></td> </tr> <tr> <td>Dielectric strength</td> <td></td> </tr> <tr> <td>Contact/coil</td> <td>4 kV<sub>eff.</sub></td> </tr> <tr> <td>Nominal voltage acc. to EN 60664-1</td> <td>250 V / 4 kV / 2</td> </tr> <tr> <td>Mechanical life</td> <td>10 x 10<sup>6</sup> switching operations</td> </tr> <tr> <td>Protection</td> <td>circuit-breaker</td> </tr> <tr> <td>Max. 16 A B-Characteristic</td> <td></td> </tr> </table>	Input nominal voltage $U_N$	DC 24 V	Input voltage range	$U_N - 15\% \dots +20\%$	Current input at $U_N$ (coil 20 °C)	80 mA	Minimum switch-on time	40 ms	Minimum break time	180 ms	Coil control	pulse operation	Contact material	AgSnO <sub>2</sub>	Recommended minimum load	10 mA / 10 V	Max. switching voltage	AC 250 V	Switching current min/max	50 A (20 ms)	Max. continuous current	16 A	Max. switching power (resistive)	AC 4000 VA	Operation at normal rating	100 % continuous duty	Max. operating frequency		With load / without load	6 min <sup>-1</sup> / 5 s <sup>-1</sup>	Dielectric strength		Contact/coil	4 kV <sub>eff.</sub>	Nominal voltage acc. to EN 60664-1	250 V / 4 kV / 2	Mechanical life	10 x 10 <sup>6</sup> switching operations	Protection	circuit-breaker	Max. 16 A B-Characteristic	
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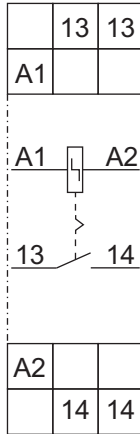
# Latching Relay

2/2

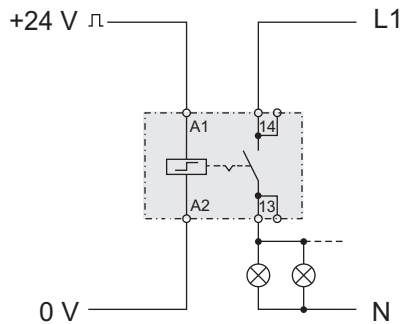
1 make contact

Data sheet

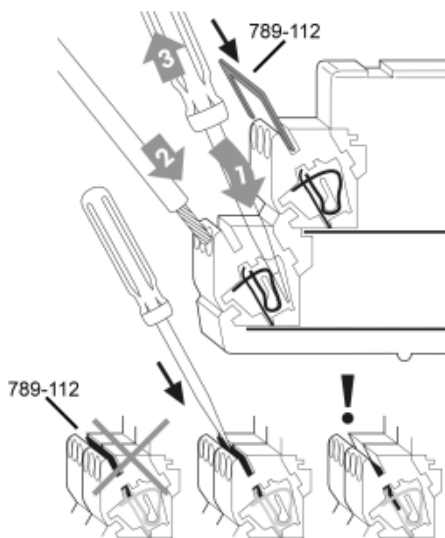
## Schematic



## Connection example



## Assembly notes



**!** When inserting push in type jumper bar mind touchproof protection.

## General Data:

Ambient operating temperature	-25 °C...+40 °C
Storage temperature	-40 °C...+85 °C
Dimensions (WxHxD)	(17.5x55*x90) mm / (0.69x2.17*x3.54) in * from upper edge of DIN 35 rail
Wire connection	CAGE CLAMP®
Stripped length	0,08-2,5 mm <sup>2</sup> / AWG 28-14
Standards / prescriptions	EN 60664-1

## Accessories:

Push-in type jumper bars,	
I <sub>N</sub> 16 A	789-112
blank, 13-fold	
Cut required length	