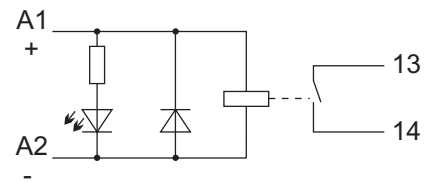


# Pluggable Module - Switching Relay

Front-entry , 1 make contact

Data sheet



Description	Item-No.	Pack.-unit pcs																																														
Switching relay for medium switching power	286-364/004-000	1																																														
<ul style="list-style-type: none"> <li>Relay module with miniature switching relay 1 make contact.</li> <li>Extended input voltage and temperature range for railway applications.</li> <li>Installation on terminal block for pluggable module.</li> </ul> <p>The relay modules meet the requirements for an extended input voltage and temperature range in accordance with DIN EN 50155 / VDE 0115 part 200 / 5.96, "Railway applications. Electronical traction equipment". They can be used on vehicles operated with alternating current having a supply from the catenary via a transformer with battery charger and battery. The constant deviation from the operating voltage can, in this case, vary between -30 % and +25 %.</p> <p>The temperature range extended to 70 °C corresponds to the maximum air temperature range in inner rooms of vehicles and housings located unprotected in the open air.</p>	<p><b>Technical Data</b></p> <table border="1"> <tr><td>Contact material</td><td>AgSnO<sub>2</sub></td></tr> <tr><td>Input nominal voltage U<sub>N</sub></td><td>DC 24 V</td></tr> <tr><td>Input voltage range</td><td>U<sub>N</sub> -30 %...+25 %</td></tr> <tr><td>Current input at U<sub>N</sub> (coil 20 °C)</td><td>10 mA</td></tr> <tr><td>Max. switching voltage</td><td>AC 250 V</td></tr> <tr><td>Max. continuous current</td><td>3 A</td></tr> <tr><td>Max. breaking power (resistive)</td><td>AC 1250 VA</td></tr> <tr><td>(resistive)</td><td>DC see load limiting value graph</td></tr> <tr><td>Recommended min. load</td><td>≥100 mA / AC/DC 12 V</td></tr> <tr><td>Pull-in/operating power</td><td>140 mW / 280 mW</td></tr> <tr><td>Pull-in/dropout/bounce time<sub>typ</sub></td><td>5 ms / 4 ms / 5 ms</td></tr> <tr><td>Operating at normal rating</td><td>100 % continuous duty</td></tr> <tr><td colspan="2">Dielectric strength</td></tr> <tr><td>contact/ coil</td><td>2.5 kV</td></tr> <tr><td>open contact</td><td>1 kV</td></tr> <tr><td colspan="2">Nominal voltage acc. to VDE 0110 / Part1/ 4.97</td></tr> <tr><td>IEC 60664-1</td><td>250 V / 4 kV / 3</td></tr> <tr><td>Mechanical life</td><td>5 x 10<sup>6</sup> switching operations</td></tr> <tr><td>at max.load (resistive)</td><td>5 x 10<sup>4</sup> switching operations</td></tr> <tr><td>Ambient operating temperature</td><td>-25 °C...+70 °C</td></tr> <tr><td>Storage temperature</td><td>-40 °C...+70 °C</td></tr> <tr><td>Module dimensions (W x H)</td><td>(10 x 82,5*) mm / (0.394 x 3.25*) in</td></tr> <tr><td></td><td>* from upper edge of DIN 35 rail</td></tr> </table>		Contact material	AgSnO <sub>2</sub>	Input nominal voltage U <sub>N</sub>	DC 24 V	Input voltage range	U <sub>N</sub> -30 %...+25 %	Current input at U <sub>N</sub> (coil 20 °C)	10 mA	Max. switching voltage	AC 250 V	Max. continuous current	3 A	Max. breaking power (resistive)	AC 1250 VA	(resistive)	DC see load limiting value graph	Recommended min. load	≥100 mA / AC/DC 12 V	Pull-in/operating power	140 mW / 280 mW	Pull-in/dropout/bounce time <sub>typ</sub>	5 ms / 4 ms / 5 ms	Operating at normal rating	100 % continuous duty	Dielectric strength		contact/ coil	2.5 kV	open contact	1 kV	Nominal voltage acc. to VDE 0110 / Part1/ 4.97		IEC 60664-1	250 V / 4 kV / 3	Mechanical life	5 x 10 <sup>6</sup> switching operations	at max.load (resistive)	5 x 10 <sup>4</sup> switching operations	Ambient operating temperature	-25 °C...+70 °C	Storage temperature	-40 °C...+70 °C	Module dimensions (W x H)	(10 x 82,5*) mm / (0.394 x 3.25*) in		* from upper edge of DIN 35 rail
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