

# Relays

	Ultra-Miniature PC Board Type Power Relay <b>JS-RELAY</b>	Compact Flat Power <b>JV-RELAY</b>	Flat Power <b>JP-RELAY</b>	Slim Type Power <b>JR-RELAY</b>	Slim Type High Power <b>JW-RELAY</b>																																																																																																															
• Type of relay mm																																																																																																																				
• Features	<ul style="list-style-type: none"> <li>Ultra-miniature size with universal terminal footprint</li> <li>High switching capacity 10A</li> </ul>	<ul style="list-style-type: none"> <li>High capacity in a compact body</li> <li>High sensitivity</li> </ul>	<ul style="list-style-type: none"> <li>High switching capacity 7 A</li> </ul>	<ul style="list-style-type: none"> <li>16A type available</li> <li>Wide insulation distance</li> <li>High inrush current capability</li> </ul>	<ul style="list-style-type: none"> <li>Slim size</li> <li>High dielectric withstand: 10,000V surge</li> </ul>																																																																																																															
• Sealed types availability	●	●																																																																																																																		
• Latching types availability					●																																																																																																															
• Contact material (Optional material)	Gold-clad silver	Gold-clad silver	Silver alloy	Silver alloy	Gold-clad silver																																																																																																															
• Contact rating chart Maximum ( $\cos \varphi = 1$ )	<table border="1"> <tr><td>15 A</td><td>10 A</td><td>8 A</td><td>5 A</td><td>3 A</td><td>2 A</td><td>1 A</td></tr> <tr><td>10 A</td><td>125 V AC</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>8 A</td><td></td><td>125 V AC</td><td></td><td></td><td></td><td></td></tr> <tr><td>5 A</td><td></td><td></td><td>10 A 125 V AC</td><td></td><td></td><td></td></tr> <tr><td>3 A</td><td></td><td></td><td></td><td>6 A 30 V DC</td><td></td><td></td></tr> <tr><td>2 A</td><td></td><td></td><td></td><td></td><td>7 A 125 V AC</td><td></td></tr> <tr><td>1 A</td><td></td><td></td><td></td><td></td><td></td><td>10 A 250 V AC</td></tr> </table>	15 A	10 A	8 A	5 A	3 A	2 A	1 A	10 A	125 V AC						8 A		125 V AC					5 A			10 A 125 V AC				3 A				6 A 30 V DC			2 A					7 A 125 V AC		1 A						10 A 250 V AC	<table border="1"> <tr><td>10 A</td><td>125 V AC</td><td>15 A</td><td>125 V AC</td><td>10 A 125 V AC</td><td>10 A 250 V AC</td><td>10 A 250 V AC</td></tr> <tr><td>125 V AC</td><td></td><td></td><td></td><td>6 A 30 V DC</td><td>30 V AC</td><td>30 V AC</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>1a, 1c</td><td>1a, 1c</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>2a, 2c</td><td>2a, 2c</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>1a</td><td>1a</td></tr> </table>	10 A	125 V AC	15 A	125 V AC	10 A 125 V AC	10 A 250 V AC	10 A 250 V AC	125 V AC				6 A 30 V DC	30 V AC	30 V AC						1a, 1c	1a, 1c						2a, 2c	2a, 2c						1a	1a	<table border="1"> <tr><td>10 A</td><td>250 V AC</td><td>10 A 30 V AC</td><td>5 A 250 V AC</td><td>5 A 30 V AC</td><td>5 A 250 V AC</td><td>10 A 30 V DC</td></tr> <tr><td>30 V AC</td><td></td><td></td><td>30 V AC</td><td></td><td>30 V AC</td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td>10 A 30 V DC</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>	10 A	250 V AC	10 A 30 V AC	5 A 250 V AC	5 A 30 V AC	5 A 250 V AC	10 A 30 V DC	30 V AC			30 V AC		30 V AC								10 A 30 V DC								
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Minimum 1 mA 100 $\mu$ A 10 $\mu$ A		Standard 1a, 1c High capacity 1a		16 A 250 V AC 16 A 30 V AC	Standard High capacity																																																																																																															
• Contact arrangement	1a, 1c	1a, 1c	2a	1a 1c 2a 2c 1a	1a, 1c, 2a, 2c																																																																																																															
• Life (Min. operation)	Electrical 10 <sup>5</sup>	(Sealed) 10 <sup>5</sup> (Flux-resistant) 10 <sup>5</sup> to 3×10 <sup>5</sup> (Automotive) 4×10 <sup>4</sup>	2×10 <sup>5</sup>	10 <sup>5</sup>	10 <sup>5</sup>																																																																																																															
	Mechanical 10 <sup>7</sup>	(Standard, High capacity) 10 <sup>7</sup> (Automotive) 5×10 <sup>6</sup>	5×10 <sup>6</sup>	5×10 <sup>5</sup>	5×10 <sup>6</sup>																																																																																																															
• Break-down voltage	Between open contacts 750Vrms	(Standard, High capacity) 1,000Vrms (Automotive) 750Vrms	1,000Vrms	1,000Vrms	1,000Vrms																																																																																																															
	Between contact sets —	—	—	3,000Vrms	—																																																																																																															
	Between contacts and coil 1,500Vrms	1,500Vrms	1,500Vrms	5,000Vrms	5,000Vrms																																																																																																															
	Between live parts and ground —	—	—	—	—																																																																																																															
• Surge withstand voltage	—	—	—	10,000V surge	10,000V surge																																																																																																															
• Coil voltage	(DC) 5, 6, 9, 12, 24, 48V	(DC) 5, 6, 9, 12, 18, 24, 48*, 100V* *Only for Standard, High Capacity type.	(DC) 12, 24, 100V	(DC) 6, 12, 24, 48 V (AC) 115V	(DC) 5, 6, 9, 12, 24, 48V																																																																																																															
• Nominal operating power	360mW	(Standard, High capacity) 1a: 200mW 1c: 400mW (Automotive) 450mW	720 to 920mW	530mW	530mW																																																																																																															
• Terminal layout (Bottom View)																																																																																																																				
• Standards	UL (E43028), TÜV, CSA (LR26550), TV rating	UL (E43028), CSA (LR26550)	—	UL (E43028), TÜV, CSA (LR26550), TV rating	UL (E43028), TV rating, CSA (LR26550)																																																																																																															

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