








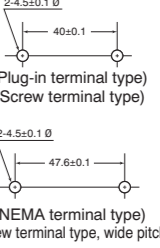
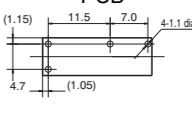
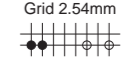
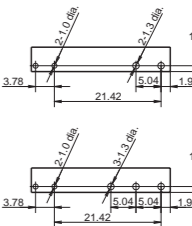


Type ★ = Popular type (Picture scale: DIN A4)	Features	Switching current (Min.: see data sheet)	Max. switching voltage	Contact arrangement	Coil voltage
<b>HE/ HE PV</b> 1:3  50 x 33 x 35.8mm	<ul style="list-style-type: none"> <li>High surge withstand voltage: 10,000V</li> <li>High inrush resistance: TV-15: 1 form A TV-10: 2 form A</li> <li>Compact power relays for AC and DC voltage</li> <li>Contact gap: 3mm</li> <li>Socket available</li> <li>Creepage and clearance distance min. 8mm</li> </ul>	<b>Max.: 30A</b>  <b>Max.: 50A</b> 	<ul style="list-style-type: none"> <li>100V DC</li> <li>277V AC</li> </ul>	1a, 2a	(DC) 6, 12, 24, 48, 110V (AC) 12, 24, 48, 120, 240V
<b>Slim Power Relays</b>					
<b>LD-P</b> ★ 1:2  20.3 x 7 x 15mm	<ul style="list-style-type: none"> <li>Slim type: width 7mm</li> <li>Coil power: 200mW</li> <li>High switching capacity 5A/277V AC</li> <li>Creepage and clearance distance min. 6mm</li> <li>RTIII (IP67)</li> </ul>	<b>Max.: 5A</b> 	<ul style="list-style-type: none"> <li>30V DC</li> <li>277V AC</li> </ul>	1a	(DC) 5, 6, 9, 12, 18, 24V
<b>PA</b> 1:2  20 x 5 x 12.5mm	<ul style="list-style-type: none"> <li>Slim size permits high density mounting</li> <li>High switching capacity</li> <li>Gold-clad contacts</li> <li>Pin-compatible with the AQZ PhotoMOS relay</li> <li>High surge voltage: 4,000V</li> <li>High breakdown voltage: 2,000V</li> <li>PAD with min. 3.6mm creepage distance and min. 3.1mm clearance distance</li> <li>RTIII (IP67)</li> </ul>	<b>Max.: 5A</b> 	<ul style="list-style-type: none"> <li>110V DC</li> <li>250V AC</li> </ul>	1a	(DC) 5, 6, 9, 12, 18, 24V
<b>PF</b> ★ 1:2  28 x 5 x 15mm	<ul style="list-style-type: none"> <li>Slim size permits high density mounting</li> <li>Wide switching capacity</li> <li>High surge voltage: 6,000V</li> <li>High breakdown voltage: 4,000V</li> <li>Slim relay for grid applications</li> <li>Insulation construction conforms to VDE0700</li> <li>Contacts with gold flash plating or gold-clad contacts available</li> <li>Print socket available</li> <li>Clearance distance min. 5.5mm</li> <li>Creepage distance min. 8mm</li> <li>RTIII (IP67)</li> </ul>	<b>Max.: 6A</b> 	<ul style="list-style-type: none"> <li>300V DC</li> <li>400V AC</li> </ul>	1a, 1c	(DC) 4.5, 5, 6, 12, 18, 24, 48, 60V

Coil power	Breakdown voltage			Surge withstand voltage	Mounting method (bottom view)	Approvals Data sheet
	Between open contacts	Between contact sets	Contacts to coil			
(DC) 1920mW (AC) 1.7 - 2.7VA	2000Vrms	4000Vrms	5000Vrms	10,000V	Top-mounting Panel cutout  (Plug-in terminal type) (Screw terminal type) (NEMA terminal type) (Screw terminal type, wide pitch)	CSA, TÜV, TV rating, UL, VDE
200mW	750Vrms	—	4000Vrms	10,000V	PCB  (1.15) 11.5 7.0 4.1.1 dia 4.7 (1.05)	C-UL, UL, VDE
120mW (5 - 18V) 180mW (24V)	1000Vrms	—	2000Vrms	4,000V	PCB Grid 2.54mm 	CSA, TÜV, UL
170mW (5 - 24V) 217mW (48V) 175mW (60V)	1000Vrms	—	4000Vrms	6,000V	PCB  3.78 21.42 5.04 1.01 1.2 3.78 21.42 5.04 1.01 1.2	C-UL, UL, VDE