

Panasonic Relay Contact Output Specifications

Relay Model	WR6161K-84	WR6166-84	WR6221K-84	WR6172-84
<i>with</i> Din Rail Mount and Auxiliary Contacts	WR61613K-84	WR61663-84	N/A	WR61723-84
UL-Rating: Electrical Life	<i>Electronic Ballast Rated</i>			
Output Contact Side :				
General Use	20 A 300 VAC	20 A 300 VAC	16 A 347 VAC	20 A 480 VAC
Tungsten	2400 W 120 VAC	2400 W 120 VAC	1920 W 120 VAC	2400 W 120 VAC
(Standard) Ballast	20 A 300 VAC	20 A 300 VAC	16 A 347 VAC	20 A 480 VAC
(Electronic) Ballast	16 A 277 VAC	N/A	N/A	N/A
Motor Starting , Single Phase	½ HP 110-125 VAC	½ HP 110-125 VAC	N/A	½ HP 110-125 VAC
Motor Starting , Single Phase	1-½ HP 220-277 VAC	1-½ HP 220-277 VAC	N/A	1-½ HP 220-277 VAC
Auxiliary Contact Side :				
General Use	1 A 125 VAC	1 A 125 VAC	N/A	1 A 125 VAC
Short Circuit Rating	14,000 A 277 VAC	5,000 A 277 VAC	N/A	5,000 A 277 VAC
Performance (30,000 cycles)	60,000 operations	60,000 operations	60,000 operations	60,000 operations
CSA-Rating: Electrical Life				
OUTPUT contact side:				
General Use	20 A 347 VAC	20 A 347 VAC	16 A 300 VAC	20 A 347 VAC
Tungsten	2400 W 120 VAC	2400 W 120 VAC	1920 W 120 VAC	2400 W 120 VAC
(Standard) Ballast	20 A 347 VAC	20 A 347 VAC	16 A 300 VAC	20 A 347 VAC
Motor Starting , Single Phase	½ HP 110-125 VAC	½ HP 110-125 VAC	N/A	½ HP 110-125 VAC
Motor Starting , Single Phase	1-½ HP 220-250 VAC	1-½ HP 220-250 VAC	N/A	1-½ HP 220-250 VAC
Performance: (30,000 cycles)	60,000 operations	60,000 operations	60,000 operations	60,000 operations
Mechanical Life				
Performance Frequency: 20 Cycles (40 Operations)/Min	60,000 cycles (120,000 operations)	60,000 cycles (120,000 operations)	60,000 cycles (120,000 operations)	60,000 cycles (120,000 operations)
Dielectric Strength				
Between terminals of different pole OUTPUT	N/A	1,694 VAC for 1 min	N/A	1,960 VAC for 1 min
Between terminals of each OUTPUT(OFF condition)	1,694 VAC for 1 min	1,694 VAC for 1 min	1,800 VAC for 1 min	1,960 VAC for 1 min
Between Live Parts and Non-live Metal Parts Between terminals of OUTPUT and AUXILIARY	1,694 VAC for 1 min	1,694 VAC for 1 min	N/A	1,960 VAC for 1 min
Between terminals of OUTPUT and INPUT	2,500 VAC for 1 min	2,500 VAC for 1 min	N/A	2,500 VAC for 1 min
Between terminals of INPUT and non-live metal parts Between terminals of each AUXILIARY	600 VAC for 1 min	600 VAC for 1 min	N/A	600 VAC for 1 min
Between terminals: OUTPUT and lead wires of input side	N/A	N/A	1,800 VAC for 1 min	N/A
Insulation Resistance				
Between terminals of each OUTPUT (OFF condition) Between terminals of OUTPUT and INPUT	10 M Ohm (500 V megger)	10 M Ohm (500 V megger)	100 M Ohm (500 V megger)	10 M Ohm (500 V megger)
Temperature Rise				
Main contacts	65°C max	65°C max	65°C max	65°C max

	WR8501	WR8503	BBR910P
Input Voltage	± 24 VAC	± 24 VAC	18 ~ 30 VAC
Current Consumption	.5mA	1.5mA	N/A

Excerpted from Panasonic Lighting Relays Product Catalog. For full catalog see:
<http://pewa.panasonic.com/assets/lighting/catalog/lighting-relays-catalog.pdf>