

## Uni-directional Relay Part Numbering Guide

R Y 2 5 0 B B B - U V 1 1 8 6 0 3 1 2 5 - O V 1 6 0 6 0 3 1 5 5 - C B 2 0 0 6 0 3 - #

1    2    3 4 5            6            7            8            9            10          11            12          13          14

### 1: Unit Type

R Y – Unidirectional Relay

P G – Custom POWER-GATE<sup>1</sup>

### 2: Maximum Continuous Current

050-300 in 50 A increments<sup>2</sup>

### 3: Nominal Voltage Rating

A – 12VDC

B – 24VDC

### 4: LED Options

A – None

B – All (factory default)

C – Power + Status

D – Power + Fault

E – Status + Fault

F – Power

G – Status

H – Fault

I – Custom

### 5: Trigger Signal

A – None (autonomous operation)

B – Active High (low = relay open / high = relay closed) (R Y/R B factory default)

C – Active Low (low = relay closed / high = relay open)

### 6: Undervoltage Shutdown

3 digit code, preceded by “UV”

Ex: 8.5V = UV085, 11.8V = UV118, 22V = UV220

### 7: Undervoltage Shutdown Delay

3 digit, 5% decade code in milliseconds<sup>3</sup>

Ex: 2ms = 2X0, 1s = 102, 1min = 603, 1hr = 365

8: Undervoltage Reset

3 digit code

Ex: 8.5V = 085, 11.8V = 118, 22V = 220

9: Overvoltage Shutdown

3 digit code, preceded by "OV"

Ex: 8.5V = OV085, 11.8V = OV118, 22V = OV220

10: Overvoltage Shutdown Delay

3 digit, 5% decade code in milliseconds<sup>3</sup>

Ex: 2ms = 2X0, 1s = 102, 1 min = 603, 1 hr = 365

11: Overvoltage Reset

3 digit code

Ex: 8.5V = 085, 11.8V = 118, 22V = 220

12: Circuit Breaker Trip Value

3 digit code, preceded by "CB"

Ex: 50A = CB050, 100A = CB100, 275A = CB275

13: Circuit Breaker Shutdown Delay

3 digit, 5% decade code in milliseconds<sup>3</sup>

Ex: 2ms = 2X0, 1s = 102, 1min = 603, 1hr = 365

14: Custom Order Number

4 digits for orders that have special requirements beyond those listed above. . Default is omitted and manufacturer will add these as needed.

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<sup>1</sup> Call manufacturer for more details

<sup>2</sup> POWER-GATEs can be designed to handle continuous currents larger than 300A with custom engineering; Overcurrent shutdown occurs at  $120\pm 15\%$  rated current (after 10ms delay) and short circuit shutdown occurs at  $300\%\pm 15\%$  rated current (<1ms delay)

<sup>3</sup> Must be a multiple of 2ms