

# Uni-Directional / Bi-Directional Relay Part Numbering Guide

R B 2 5 0 B B B - 0027B  
1 2 3 4 5 6

## 1: Unit Type

RY – Uni-directional Relay

RB – Bi-directional Relay

## 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) (RY/RB factory default)

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

## 6: Specification Code

5 digit code links to an internal database which details programming information including under-voltage settings, over-voltage settings, timing features, or any other details relating to a

particular device. Specification code is assigned by Perfect Switch upon receipt of performance requirements from customer.

Ex: 0027B

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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> POWER-GATE devices can be programmed for the following parameters:

- Under-voltage shutdown
- Under-voltage shutdown delay
- Under-voltage reset
- Over-voltage shutdown
- Over-voltage shutdown delay
- Over-voltage reset
- Circuit breaker trip value
- Circuit breaker shutdown delay
- Circuit breaker reset
- Any custom request not detailed within our typical part numbering