Relay Part Numbering Guide
Generation 4.0

RY M 40 B - 400 - B B X - xxxxx
1 2 3 4 5 6 7 8 9

Example part is a uni-directional relay, Medium package, Generation 4.0, 24 volt system, 400 amps, All LEDS, Active high remote main trigger, Override Trigger Disabled, and No Specification Code

1: Unit Type

RY – Uni-directional Relay	**RE** – Slave bi-directional relay for make-before-break SPDT configuration
RB – Stand-alone Bi-directional Relay	**RP** – Primary bi-directional relay for programmable OR'ing configuration (break-before-make)
RT – Master bi-directional relay for break-before-make SPDT configuration	**RK** – Backup bi-directional relay for programmable OR'ing configuration (break-before-make)
RV – Slave bi-directional relay for break-before-make SPDT configuration	**RI** – Primary bi-directional relay for programmable OR'ing configuration (make-before-break)
RA – Master bi-directional relay for make-before-break SPDT configuration	**RC** – Backup bi-directional relay for programmable OR'ing configuration (make-before-break)

2: Enclosure Size

S - Small Enclosure
M - Medium Enclosure
L - Large Enclosure

Enclosure size is selected by the manufacturer based upon amperage capability. If a specific package is required, contact the manufacturer for guidance.

3: Generation Number

40 - Generation 4.0

4: Nominal Voltage Rating

A -	12 VDC	D-	42 VDC
B -	24 VDC	E-	48 VDC
C-	36 VDC		

5: Continuous Current Rating

050-300 in 50 A increments, 400 A, 500 A, and 600 A

For continuous current levels in excess of 600 amps, please contact us for custom engineering services.

6: LED Options

A – De-activated	**D** – Power + Fault	**G** – Status Only
B – All (factory default, both on-board LEDS and external LEDS active)	**E** – Status + Fault	**H** – Fault Only
C – Power + Status	**F** – Power Only	**I** – Custom

7: Main Trigger Signal

A – On-board main trigger only
B – Active-high non-isolated remote main trigger only
C – Active-low non-isolated remote main trigger only
D – On-board and active-high remote main trigger
E – On-board and active-low remote main trigger

Continued on next page…….

8: Override / SPDT Select Trigger Options

X – Override trigger disabled / not needed (for RY, RB, RV RE, RP, RK, RI, and RC devices)	**L** – Active-low non-isolated override trigger (for RY, RB, RV, RE, RP, RK, RI, and RC devices) OR master off/slave on active-low non-isolated SPDT select trigger (for RT and RA devices)
H – Active-high non-isolated override trigger (for RY, RB, RV, RE, RP, RK, RI, and RC devices) OR master off/slave on active-high non-isolated SPDT select trigger (for RT and RA devices)	**S**– Active-high isolated override trigger (for RY, RB, RV, RE, RP, RK, RI, and RC devices) OR master off/slave on active-high isolated SPDT select trigger (for RT and RA devices)

9: Specification Code

5 digit code assigned by the manufacturer (example: 0027B) which details programming information, mechanical changes, or any other details relating to a particular device. If no specification code is necessary, it's omitted from the part number.

Devices can be programmed for the following parameters:

- Under-voltage shutdown (four available levels with independent delays)
- Under-voltage reset (with available delay)
- Over-voltage shutdown (four available levels with independent delays)
- Over-voltage reset (with available delay)
- Circuit breaker trip value (2 available levels with independent delays)
- Circuit breaker reset (three available modes: toggle trigger, limited auto-reset, unlimited auto-reset)
- Low power sleep mode (with available delay)
- Any custom request not detailed within our typical part numbering

(Note: minimum delay is 20 ms in multiples of 20 ms)