

# Heavy Duty Safety Switch Selection Guide

## Safety Switch Nomenclature

|                |    |              |          |          |          |          |          |          |                |                              |
|----------------|----|--------------|----------|----------|----------|----------|----------|----------|----------------|------------------------------|
|                |    | <b>MH</b>    | <b>F</b> | <b>3</b> | <b>2</b> | <b>4</b> | <b>N</b> | <b>R</b> |                |                              |
| Type of Switch | MG | General Duty | F        | 3        | 2        | 4        | N        | R        | Enclosure Type | (blank) NEMA Type 1 (indoor) |
|                | MH | Heavy Duty   |          |          |          |          |          |          |                | R NEMA Type 3R (outdoor)     |
| Fusing         | F  | Fusible      |          |          |          |          |          |          | Neutral        | (blank) None                 |
|                | U  | Non-Fusible  |          |          |          |          |          |          |                | N Factory Installed          |
| Poles          | 2  | 2 Poles      |          |          |          |          |          |          | Ampere Rating  | 1 30 Amp                     |
|                | 3  | 3 Poles      |          |          |          |          |          |          |                | 2 60 Amp                     |
| Voltage Rating | 2  | 240 Vac      |          |          |          |          |          |          |                | 3 100 Amp                    |
|                | 6  | 600 Vac      |          |          |          |          |          |          |                | 4 200 Amp                    |
|                |    |              |          |          |          |          |          |          |                | 5 400 Amp                    |
|                |    |              |          |          |          |          |          |          |                | 6 600 Amp                    |



60A / Fusible / 3 Pole / 240V / N1 MHF322N  
100A / Fusible / 3 Pole / 600V / N3R MHF363R  
30A / Non-Fusible / 3 Pole / 600V / N3R MHU361R



## Heavy Duty Safety Switches

|                                                                                     | Ampere Rating | Model Number        |                                   | Horsepower Ratings              |       |                 |       |                                |       |                 |       | DC Hp                |       |         |         |         |  |
|-------------------------------------------------------------------------------------|---------------|---------------------|-----------------------------------|---------------------------------|-------|-----------------|-------|--------------------------------|-------|-----------------|-------|----------------------|-------|---------|---------|---------|--|
|                                                                                     |               | NEMA Type 1 Indoor  | NEMA Type 3R Outdoor <sup>2</sup> | Single-Phase 240 Vac            |       |                 |       | Three-Phase 240 Vac            |       |                 |       | 250 Vdc              |       |         |         |         |  |
|                                                                                     |               |                     |                                   | Standard Fuse                   |       | Time Delay Fuse |       | Standard Fuse                  |       | Time Delay Fuse |       | Standard Fuse        |       |         |         |         |  |
| Fusible / 2 Pole / 3 Wire / 240V / 50/60 Hz                                         |               |                     |                                   |                                 |       |                 |       |                                |       |                 |       |                      |       |         |         |         |  |
|   | 30            | MHF221N             | MHF221NR                          | 1 ½                             |       | 3               |       | —                              |       | —               |       | 5                    |       |         |         |         |  |
|                                                                                     | 60            | MHF222N             | MHF222NR                          | 3                               |       | 10              |       | —                              |       | —               |       | 10                   |       |         |         |         |  |
|                                                                                     | 100           | MHF223N             | MHF223NR                          | 7 ½                             |       | 15              |       | —                              |       | —               |       | 20                   |       |         |         |         |  |
|                                                                                     | 200           | MHF224N             | MHF224NR <sup>3</sup>             | 15                              |       | —               |       | —                              |       | —               |       | 40                   |       |         |         |         |  |
| Fusible / 3 Pole / 4 Wire / 240V / 50/60 Hz                                         |               |                     |                                   |                                 |       |                 |       |                                |       |                 |       |                      |       |         |         |         |  |
|  | 30            | MHF321N             | MHF321NR                          | 1 ½                             |       | 3               |       | 3                              |       | 7 ½             |       | 5                    |       |         |         |         |  |
|                                                                                     | 60            | MHF322N             | MHF322NR                          | 3                               |       | 10              |       | 7 ½                            |       | 15              |       | 10                   |       |         |         |         |  |
|                                                                                     | 100           | MHF323N             | MHF323NR                          | 7 ½                             |       | 15              |       | 15                             |       | 30              |       | 20                   |       |         |         |         |  |
|                                                                                     | 200           | MHF324N             | MHF324NR <sup>3</sup>             | 15                              |       | —               |       | 25                             |       | 60              |       | 40                   |       |         |         |         |  |
| Fusible / 3 Pole / 3 Wire / 240V / 50/60 Hz                                         |               |                     |                                   |                                 |       |                 |       |                                |       |                 |       |                      |       |         |         |         |  |
|  | 400           | —                   | MHF325R <sup>1</sup>              | —                               |       | —               |       | 50                             |       | 125             |       | 50                   |       |         |         |         |  |
|                                                                                     | 600           | —                   | MHF326R <sup>1</sup>              | —                               |       | —               |       | 75                             |       | 200             |       | 50                   |       |         |         |         |  |
|                                                                                     |               |                     |                                   | Horsepower Ratings              |       |                 |       |                                |       |                 |       |                      |       | DC Hp   |         |         |  |
|                                                                                     |               |                     |                                   | Single-Phase                    |       |                 |       | Three-Phase                    |       |                 |       | Standard Fuse        |       |         |         |         |  |
|                                                                                     |               |                     |                                   | Standard Fuse                   |       | Time Delay Fuse |       | Standard Fuse                  |       | Time Delay Fuse |       |                      |       |         |         |         |  |
|                                                                                     |               |                     |                                   | 480 V                           | 600 V | 480 V           | 600 V | 240 V                          | 480 V | 600 V           | 240 V | 480 V                | 600 V | 125 Vdc | 250 Vdc |         |  |
| Fusible / 3 Pole / 3 Wire / 600V / 50/60 Hz                                         |               |                     |                                   |                                 |       |                 |       |                                |       |                 |       |                      |       |         |         |         |  |
|  | 30            | MHF361              | MHF361R                           | 3                               | 3     | 7 ½             | 10    | —                              | 5     | 7½              | —     | 15                   | 20    | 2       | 5       |         |  |
|                                                                                     | 60            | MHF362              | MHF362R                           | 5                               | 10    | 20              | 25    | —                              | 15    | 15              | —     | 30                   | 50    | 5       | 10      |         |  |
|                                                                                     | 100           | MHF363              | MHF363R                           | 10                              | 15    | 30              | 40    | —                              | 25    | 30              | —     | 60                   | 75    | —       | 20      |         |  |
|                                                                                     | 200           | MHF364              | MHF364R <sup>3</sup>              | 25                              | 30    | 50              | 50    | —                              | 50    | 60              | —     | 125                  | 150   | —       | 40      |         |  |
|                                                                                     | 400           | MHF365 <sup>1</sup> | MHF365R <sup>1</sup>              | —                               | —     | —               | —     | 50                             | 100   | 125             | 125   | 250                  | 350   | —       | 50      |         |  |
|                                                                                     | 600           | MHF366 <sup>1</sup> | MHF366R <sup>1</sup>              | —                               | —     | —               | —     | 75                             | 150   | 200             | 200   | 400                  | 500   | —       | 50      |         |  |
|                                                                                     |               |                     |                                   | Horsepower Ratings              |       |                 |       |                                |       |                 |       |                      |       | DC Hp   |         |         |  |
|                                                                                     |               |                     |                                   | Single-Phase with Standard Fuse |       |                 |       | Three-Phase with Standard Fuse |       |                 |       | DC Hp with Std. Fuse |       |         |         |         |  |
|                                                                                     |               |                     |                                   | 240 V                           |       | 480 V           |       | 600 V                          |       | 240 V           |       | 480 V                |       | 600 V   |         | 250 Vdc |  |
| Non-Fusible / 3 Pole / 3 Wire / 600V / 50/60 Hz                                     |               |                     |                                   |                                 |       |                 |       |                                |       |                 |       |                      |       |         |         |         |  |
|  | 30            | MHU361              | MHU361R                           | 3                               | 7 1/2 | 10              | 10    | 20                             | 30    |                 |       | 5                    |       |         |         |         |  |
|                                                                                     | 60            | MHU362              | MHU362R                           | 10                              | 20    | 25              | 20    | 50                             | 60    |                 |       | 10                   |       |         |         |         |  |
|                                                                                     | 100           | MHU363              | MHU363R                           | 20                              | 30    | 40              | 40    | 75                             | 100   |                 |       | 20                   |       |         |         |         |  |
|                                                                                     | 200           | MHU364              | MHU364R <sup>3</sup>              | 30                              | 50    | 50              | 60    | 125                            | 150   |                 |       | 40                   |       |         |         |         |  |
|                                                                                     | 400           | MHU365              | MHU365R                           | —                               | —     | —               | 125   | 250                            | 350   |                 |       | 50                   |       |         |         |         |  |
|                                                                                     | 600           | MHU366              | MHU366R                           | —                               | —     | —               | 200   | 400                            | 500   |                 |       | 50                   |       |         |         |         |  |

<sup>1</sup> 3 pole 3 wire — neutral ordered separately.

<sup>2</sup> 30, 60 and 100A Heavy Duty outdoor switches feature a Flip-top door style.

<sup>3</sup> 200A Heavy Duty switch features a Side Swing style door. See photo on page 7.