

Heavy Duty Safety Switches



Visible blade heavy duty safety switches are designed for application where maximum performance and continuity of service are required. Heavy duty safety switches feature quick-make, quick-break operating mechanism, a dual cover interlock and a color coded indicator handle. They are suitable for use as service equipment when equipped with a field- or factory-installed neutral assembly or equipment grounding kit, unless a 600Y/347 V or 480 Y/277 V, 1000 A or greater, solidly grounded WYE system is used, per NEC 230-95. Heavy duty safety switches are UL Listed (except as noted). Files E2875 and E154828 meet or exceed the NEMA Standard KS1. For UL Listed short circuit current ratings, see UL Listed Maximum Short Circuit Current Ratings-AC only, page 3-13.

Table 3.13: 240 Volt — Single Throw Fusible Switches

| Amp | Type 1 | Type 3R [1] | Equipment Ground Kit | Type 12[1] | Type 4X 304 SS[1] | Class R Fuse Kits | Line Side Barriers [2] | Horsepower Ratings | | | | |
|---|---------------------------------|-------------|----------------------|-------------|-------------------|-------------------|------------------------|----------------------------------|--------|-------------------------------------|--------|-------------|
| | | | | | | | | Std (Fast Acting One-Time Fuses) | | Max (Dual Element Time-Delay Fuses) | | 250 Vdc [3] |
| | | | | | | | | 1Ø | 3Ø [4] | 1Ø | 3Ø [4] | |
| 2 Wire (2 Blade and Fuseholder) – 240 Vac 250 Vdc | | | | | | | | | | | | |
| 30 | Use device with factory neutral | | | VH221AWKGL | VH221DSGL | RFK03L | Factory Included | 1-1/2 | 3 | 3 | 7-1/2 | 5 |
| 30 | | | | VH2213AWKGL | VH2213DSGL | RFK03L | Factory Included | 1-1/2 | — | 3 | — | 5 |
| 60 | | | | VH222AWKGL | VH222DSGL | RFK03H | Factory Included | 3 | 7-1/2 | 10 | 15 | 10 |
| 100 | | | | VH223AWKGL | VH223DSGL | RFK10 | Factory Included | 7-1/2 | 15 | 15 | 30 | 20 |
| 200 | | | | VH224AWKGL | VH224DSGL | HRK1020 | Factory Included | 15 | 25 | — | 60 | 40 |
| 400 | H225 | H225R | PKOGTA2 | H225AWK | H225DS | HRK4060 | LSBG202 | — | — | — | — | 50 |
| 600 | H226 | H226R | PKOGTA2 | H226AWK | H226DS | HRK4060 | LSBG202 | — | 75 | — | 200 | 50 |
| 800 | H227 | H227R | PKOGTA7 | H227AWK | — | — | LSBF202 | 50 | — | — | — | 50 |
| 1200 | H228 | H228R | PKOGTA8 | H228AWK | — | — | LSBF202 | 50 | — | — | — | 50 |
| 3 Wire (2 Blade and Fuseholder, 1 neutral) – 240 Vac 250 Vdc | | | | | | | | | | | | |
| 30 | VH221N | VH221NRB | GTK03 | VH221NAWKGL | VH221NDSGL | RFK03L | Factory Included | 1-1/2 | 3 | 3 | 7-1/2 | 5 |
| 60 | VH222N | VH222NRB | GTK03 | VH222NAWKGL | VH222NDSGL | RFK03H | Factory Included | 3 | 7-1/2 | 10 | 15 | 10 |
| 100 | VH223N | VH223NRB | GTK0610 | VH223NAWKGL | VH223NDSGL | RFK10 | Factory Included | 7-1/2 | 15 | 15 | 30 | 20 |
| 200 | VH224N | VH224NR | PKOGTA2 | VH224NAWKGL | VH224NDSGL | HRK1020 | Factory Included | 15 | 25 | — | 60 | 40 |
| 400 | H225N | H225NR | PKOGTA2 | H225NAWK | H225NDS | HRK4060 | LSBG202 | — | 50 | — | 125 | 50 |
| 600 | H226N | H226NR | PKOGTA2 | H226NAWK | H226NDS | HRK4060 | LSBG202 | — | 75 | — | 200 | 50 |
| 800 | H227N | H227NR | PKOGTA7 | H227NAWK | — | — | LSBF202 | 50 | — | — | — | 50 |
| 1200 | H228N | H228NR | PKOGTA8 | H228NAWK | — | — | LSBF202 | 50 | — | — | — | 50 |
| 3 Wire (3 Blade and Fuseholder) – 240 Vac 250 Vdc | | | | | | | | | | | | |
| 30 | Use device with factory neutral | | | VH321AWKGL | VH321DSGL | RFK03L | Factory Included | 1-1/2 | 3 | 3 | 7-1/2 | 5 |
| 60 | | | | VH322AWKGL | VH322DSGL | RFK03H | Factory Included | 3 | 7-1/2 | 10 | 15 | 10 |
| 100 | | | | VH323AWKGL | VH323DSGL | RFK10 | Factory Included | 7-1/2 | 15 | 15 | 30 | 20 |
| 200 | | | | VH324AWKGL | VH324DSGL | HRK1020 | Factory Included | 15 | 25 | — | 60 | 40 |
| 400 | H325 | H325R | PKOGTA2 | H325AWK | H325DS | HRK4060 | LSBG203 | — | 50 | — | 125 | 50 |
| 600 | H326 | H326R | PKOGTA2 | H326AWK | H326DS | HRK4060 | LSBG203 | — | 75 | — | 200 | 50 |
| 800 | H327 | H327R | PKOGTA7 | H327AWK | — | — | LSBF203 | 50 | — | — | — | 50 |
| 1200 | H328 | H328R | PKOGTA8 | H328AWK | — | — | LSBF203 | 50 | — | — | — | 50 |
| 4 Wire (3 Blade and Fuseholder, 1 neutral) –240 Vac 250 Vdc | | | | | | | | | | | | |
| 30 | VH321N | VH321NRB | GTK03 | VH321NAWKGL | VH321NDSGL | RFK03L | Factory Included | 1-1/2 | 3 | 3 | 7-1/2 | 5 |
| 60 | VH322N | VH322NRB | GTK03 | VH322NAWKGL | VH322NDSGL | RFK03H | Factory Included | 3 | 7-1/2 | 10 | 15 | 10 |
| 100 | VH323N | VH323NRB | GTK0610 | VH323NAWKGL | VH323NDSGL | RFK10 | Factory Included | 7-1/2 | 15 | 15 | 30 | 20 |
| 200 | VH324N | VH324NR | PKOGTA2 | VH324NAWKGL | VH324NDSGL | HRK1020 | Factory Included | 15 | 25 | — | 60 | 40 |
| 400 | H325N | H325NR | PKOGTA2 | H325NAWK | H325NDS | HRK4060 | LSBG203 | — | 50 | — | 125 | 50 |
| 600 | H326N | H326NR | PKOGTA2 | H326NAWK | H326NDS | HRK4060 | LSBG203 | — | 75 | — | 200 | 50 |
| 800 | H327N | H327NR | PKOGTA7 | H327NAWK | — | — | LSBF203 | 50 | — | — | — | 50 |
| 1200 | H328N | H328NR | PKOGTA8 | H328NAWK | — | — | LSBF203 | 50 | — | — | — | 50 |

Accessories: see page 3-17

Dimensions: NEMA Type 1 and 3R, see page 3-23

Dimensions: NEMA Type 4, 4X and 5 Stainless and NEMA Type 12, see page 3-24

[1] For rainproof bolt-on hubs and water resistant hubs.

[2] Factory included to protect against inadvertent contact with live parts per .UL 869A and NEC Service entrance barrier requirements.

[3] For switching dc, use two outside switching poles.

[4] For corner grounded delta systems, use switching poles for ungrounded conductors. See data bulletin 2700DB0202 for additional information.

VisiPac Type 1 and 3R

See [Terminal Lug Data, page 3-22](#) for terminal lug data for the series switches listed in the dimension table below.

Table 3.41: Approximate Dimensions

| Cat. No. | Series | H | | W | | D | | W/H | | Cat. No. | Series | H | | W | | D | | W/H | |
|----------|--------|-------|-----|-------|-----|------|-----|-------|-----|----------|--------|-------|-----|-------|-----|------|-----|-------|-----|
| | | in. | mm | in. | mm | in. | mm | in. | mm | | | in. | mm | in. | mm | in. | mm | in. | mm |
| VH221N | F | 14.57 | 370 | 6.36 | 162 | 5.11 | 130 | 7.48 | 190 | VH221NRB | F | 14.84 | 377 | 6.63 | 168 | 5.05 | 128 | 7.60 | 193 |
| VH321N | F | 14.57 | 370 | 6.36 | 162 | 5.11 | 130 | 7.48 | 190 | VH321NRB | F | 14.84 | 377 | 6.63 | 168 | 5.05 | 128 | 7.60 | 193 |
| VH361 | F | 14.57 | 370 | 6.36 | 162 | 5.11 | 130 | 7.48 | 190 | VH361RB | F | 14.84 | 377 | 6.63 | 168 | 5.05 | 128 | 7.60 | 193 |
| VH361N | F | 14.57 | 370 | 6.36 | 162 | 5.11 | 130 | 7.48 | 190 | VH361NRB | F | 14.84 | 377 | 6.63 | 168 | 5.05 | 128 | 7.60 | 193 |
| VHU361 | F | 14.57 | 370 | 6.36 | 162 | 5.11 | 130 | 7.48 | 190 | VHU361RB | F | 14.84 | 377 | 6.63 | 168 | 5.05 | 128 | 7.60 | 193 |
| VH222N | F | 14.57 | 370 | 6.36 | 162 | 5.11 | 130 | 7.48 | 190 | VH222NRB | F | 14.84 | 377 | 6.63 | 168 | 5.05 | 128 | 7.60 | 193 |
| VH322N | F | 14.57 | 370 | 6.36 | 162 | 5.11 | 130 | 7.48 | 190 | VH322NRB | F | 14.84 | 377 | 6.63 | 168 | 5.05 | 128 | 7.60 | 193 |
| VH362 | F | 18.18 | 462 | 8.91 | 226 | 7.04 | 179 | 10.26 | 261 | VH362RB | F | 18.40 | 467 | 9.08 | 231 | 6.98 | 177 | 10.39 | 264 |
| VH362N | F | 18.18 | 462 | 8.91 | 226 | 7.04 | 179 | 10.26 | 261 | VH362NRB | F | 18.40 | 467 | 9.08 | 231 | 6.98 | 177 | 10.39 | 264 |
| VHU362 | F | 18.18 | 462 | 8.91 | 226 | 7.04 | 179 | 10.26 | 261 | VHU362RB | F | 18.40 | 467 | 9.08 | 231 | 6.98 | 177 | 10.39 | 264 |
| VH223N | F | 21.84 | 555 | 8.91 | 226 | 7.04 | 179 | 10.28 | 261 | VH223NRB | F | 22.10 | 561 | 9.08 | 231 | 7.02 | 178 | 10.42 | 265 |
| VH323N | F | 21.84 | 555 | 8.91 | 226 | 7.04 | 179 | 10.28 | 261 | VH323NRB | F | 22.10 | 561 | 9.08 | 231 | 7.02 | 178 | 10.42 | 265 |
| VH363 | F | 21.84 | 555 | 8.91 | 226 | 7.04 | 179 | 10.28 | 261 | VH363RB | F | 22.10 | 561 | 9.08 | 231 | 7.02 | 178 | 10.42 | 265 |
| VH363N | F | 21.84 | 555 | 8.91 | 226 | 7.04 | 179 | 10.28 | 261 | VH363NRB | F | 22.10 | 561 | 9.08 | 231 | 7.02 | 178 | 10.42 | 265 |
| VHU363 | F | 21.84 | 555 | 8.91 | 226 | 7.04 | 179 | 10.28 | 261 | VHU363RB | F | 22.10 | 561 | 9.08 | 231 | 7.02 | 178 | 10.42 | 265 |
| VH224N | F | 28.00 | 711 | 16.61 | 422 | 8.51 | 216 | 18.55 | 471 | VH224NRB | F | 28.94 | 735 | 17.02 | 432 | 8.51 | 216 | 18.36 | 466 |
| VH324N | F | 28.00 | 711 | 16.61 | 422 | 8.51 | 216 | 18.55 | 471 | VH324NRB | F | 28.94 | 735 | 17.02 | 432 | 8.51 | 216 | 18.36 | 466 |
| VH364 | F | 28.00 | 711 | 16.61 | 422 | 8.51 | 216 | 18.55 | 471 | VH364RB | F | 28.94 | 735 | 17.02 | 432 | 8.51 | 216 | 18.36 | 466 |
| VH364N | F | 28.00 | 711 | 16.61 | 422 | 8.51 | 216 | 18.55 | 471 | VH364NRB | F | 28.94 | 735 | 17.02 | 432 | 8.51 | 216 | 18.36 | 466 |
| VHU364 | F | 28.00 | 711 | 16.61 | 422 | 8.51 | 216 | 18.55 | 471 | VHU364RB | F | 28.94 | 735 | 17.02 | 432 | 8.51 | 216 | 18.36 | 466 |

NEMA Type 1 and 3R

See [Terminal Lug Data, page 3-22](#) for terminal lug data for the series switches listed in the dimension table below.

Table 3.42: Approximate Dimensions

| Cat. No. | Series | H | | W | | D | | W/H | | Cat. No. | Series | H | | W | | D | | W/H | |
|----------|--------|-------|------|-------|-----|-------|-----|-------|-----|----------|--------|-------|------|-------|-----|-------|-----|-------|-----|
| | | in. | mm | in. | mm | in. | mm | in. | mm | | | in. | mm | in. | mm | in. | mm | in. | mm |
| H225 | E4 | 50.25 | 1276 | 27.63 | 702 | 10.13 | 257 | 27.63 | 702 | H327NR | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 |
| H225N | E4 | 50.25 | 1276 | 27.63 | 702 | 10.13 | 257 | 27.63 | 702 | H328 | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 |
| H225NR | E5 | 50.31 | 1278 | 27.76 | 705 | 9.53 | 242 | 27.88 | 708 | H328N | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 |
| H225R | E5 | 50.31 | 1278 | 27.76 | 705 | 9.53 | 242 | 27.88 | 708 | H328R | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 |
| H226 | E4 | 50.25 | 1276 | 27.63 | 702 | 10.13 | 257 | 27.63 | 702 | H328NR | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 |
| H226N | E4 | 50.25 | 1276 | 27.63 | 702 | 10.13 | 257 | 27.63 | 702 | H365 | E4 | 50.25 | 1276 | 27.63 | 702 | 10.13 | 257 | 27.63 | 702 |
| H226NR | E5 | 50.31 | 1278 | 27.76 | 705 | 9.53 | 242 | 27.88 | 708 | H365N | E4 | 50.25 | 1276 | 27.63 | 702 | 10.13 | 257 | 27.63 | 702 |
| H226R | E5 | 50.31 | 1278 | 27.76 | 705 | 9.53 | 242 | 27.88 | 708 | H365R | E5 | 50.31 | 1278 | 27.76 | 705 | 9.53 | 242 | 27.88 | 708 |
| H227 | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 | H365NR | E5 | 50.31 | 1278 | 27.76 | 705 | 9.53 | 242 | 27.88 | 708 |
| H227N | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 | H366 | E4 | 50.25 | 1276 | 27.63 | 702 | 10.13 | 257 | 27.63 | 702 |
| H227NR | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 | H366N | E4 | 50.25 | 1276 | 27.63 | 702 | 10.13 | 257 | 27.63 | 702 |
| H227R | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 | H366NR | E5 | 50.31 | 1278 | 27.76 | 705 | 9.53 | 242 | 27.88 | 708 |
| H228 | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 | H366R | E5 | 50.31 | 1278 | 27.76 | 705 | 9.53 | 242 | 27.88 | 708 |
| H228N | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 | H367 | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 |
| H228NR | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 | H367N | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 |
| H228R | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 | H367NR | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 |
| H265 | E4 | 50.25 | 1276 | 27.63 | 702 | 10.13 | 257 | 27.63 | 702 | H367R | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 |
| H265R | E5 | 50.31 | 1278 | 27.76 | 705 | 9.53 | 242 | 27.88 | 708 | H368 | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 |
| H266 | E4 | 50.25 | 1276 | 27.63 | 702 | 10.13 | 257 | 27.63 | 702 | H368N | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 |
| H266R | E5 | 50.31 | 1278 | 27.76 | 705 | 9.53 | 242 | 27.88 | 708 | H368NR | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 |
| H267 | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 | H368R | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 |
| H267R | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 | HU265 | E4 | 50.25 | 1276 | 27.63 | 702 | 10.13 | 257 | 27.63 | 702 |
| H268 | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 | HU265R | E5 | 50.31 | 1278 | 27.76 | 705 | 9.53 | 242 | 27.88 | 708 |
| H268R | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 | HU266 | E4 | 50.25 | 1276 | 27.63 | 702 | 10.13 | 257 | 27.63 | 702 |
| H321N | F5 | 14.60 | 371 | 6.50 | 165 | 4.88 | 124 | 7.55 | 192 | HU266R | E5 | 50.31 | 1278 | 27.76 | 705 | 9.53 | 242 | 27.88 | 708 |
| H321NRB | F5 | 14.88 | 378 | 6.63 | 168 | 4.88 | 124 | 7.55 | 192 | HU267 | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 |
| H322N | F5 | 14.60 | 371 | 6.50 | 165 | 4.88 | 124 | 7.55 | 192 | HU267R | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 |
| H322NRB | F5 | 14.88 | 378 | 6.63 | 168 | 4.88 | 124 | 7.55 | 192 | HU268 | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 |
| H323N | F5 | 21.25 | 540 | 8.50 | 216 | 6.38 | 162 | 10.50 | 267 | HU268R | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 |
| H323NRB | F5 | 21.25 | 540 | 8.50 | 216 | 6.38 | 162 | 10.50 | 267 | HU365 | E4 | 50.25 | 1276 | 27.63 | 702 | 10.13 | 257 | 27.63 | 702 |
| H324N | F5 | 29.00 | 737 | 17.13 | 435 | 8.25 | 210 | 18.50 | 470 | HU365R | E5 | 50.31 | 1278 | 27.76 | 705 | 9.53 | 242 | 27.88 | 708 |
| H324NRB | F5 | 29.25 | 743 | 17.25 | 438 | 8.50 | 216 | 18.63 | 473 | HU366 | E4 | 50.25 | 1276 | 27.63 | 702 | 10.13 | 257 | 27.63 | 702 |
| H325 | E4 | 50.25 | 1276 | 27.88 | 708 | 10.13 | 257 | 27.88 | 708 | HU366R | E5 | 50.31 | 1278 | 27.76 | 705 | 9.53 | 242 | 27.88 | 708 |
| H325N | E4 | 50.25 | 1276 | 27.88 | 708 | 10.13 | 257 | 27.88 | 708 | HU367 | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 |
| H325R | E5 | 50.31 | 1278 | 27.76 | 705 | 9.53 | 242 | 27.88 | 708 | HU367R | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 |
| H325NR | E5 | 50.31 | 1278 | 27.76 | 705 | 9.53 | 242 | 27.88 | 708 | HU368 | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 |
| H326 | E4 | 50.25 | 1276 | 27.63 | 702 | 10.13 | 257 | 27.63 | 702 | HU368R | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 |
| H326N | E4 | 50.25 | 1276 | 27.63 | 702 | 10.13 | 257 | 27.63 | 702 | HU461 | F5 | 20.50 | 521 | 14.75 | 375 | 6.85 | 174 | 16.13 | 410 |
| H326R | E5 | 50.31 | 1278 | 27.76 | 705 | 9.53 | 242 | 27.88 | 708 | HU462 | F5 | 20.50 | 521 | 14.75 | 375 | 6.85 | 174 | 16.13 | 410 |
| H326NR | E5 | 50.31 | 1278 | 27.76 | 705 | 9.53 | 242 | 27.88 | 708 | HU463 | F5 | 20.50 | 521 | 14.75 | 375 | 6.85 | 174 | 16.13 | 410 |
| H327 | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 | HU464 | F5 | 29.00 | 737 | 23.25 | 591 | 8.75 | 222 | 24.88 | 632 |
| H327N | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 | HU465 | E4 | 50.25 | 1276 | 33.88 | 861 | 10.13 | 257 | 33.88 | 861 |
| H327R | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 | HU466 | E4 | 50.25 | 1276 | 33.88 | 861 | 10.13 | 257 | 33.88 | 861 |