



| Class                        | Vario                                                                 | LK4                                                         | GS2                                                         | 9422                                                | 9421                                                 | 9422                                                 | 9423                                                           |
|------------------------------|-----------------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-----------------------------------------------------|------------------------------------------------------|------------------------------------------------------|----------------------------------------------------------------|
| Type                         | Manual motor control switches                                         | Nonfusable IEC style disconnect switches                    | Fusible IEC style disconnect switches                       | NEMA style fused or nonfusable disconnect switches  | Circuit breaker operating mechanisms                 | Circuit breaker operating mechanisms                 | Door closing mechanisms                                        |
| UL Rating                    | UL508                                                                 | UL98                                                        | UL98                                                        | UL98                                                | —                                                    | —                                                    | —                                                              |
| Handle Type                  | Rotary                                                                | Rotary                                                      | Rotary                                                      | Flange<br>Adjustable rod or cable mechanism         | Rotary                                               | Flange<br>Adjustable rod or cable mechanism          | Rotary, works in conjunction with 9422 handle mechanisms       |
| Mounting                     | Door or panel                                                         | —                                                           | Flange with cable mechanism panel                           | Panel or bracket mount                              | Panel                                                | Panel                                                | —                                                              |
| Load Voltage (maximum)       | 600 Vac                                                               | 600 Vac                                                     | 600 Vac                                                     | 600 Vac                                             | 600 Vac                                              | 600 Vac                                              | —                                                              |
| Current Ratings              | 10–115                                                                | 30–1200                                                     | 30–800                                                      | 30–400                                              | Circuit breaker frame sizes 100–1200                 | Circuit breaker frame sizes 100–1200                 | —                                                              |
| Horsepower Ratings (maximum) | 2–60                                                                  | 7.5–500                                                     | 7.5–500                                                     | 7.5–350                                             | —                                                    | —                                                    | —                                                              |
| Enclosure Type               | Metallic:<br>NEMA Type 1, 12, 4, 4X<br>Plastic:<br>IP55, NEMA Type 4X | Handle ratings:<br>NEMA Type 1, 3R, 4, 4X, 12               | Handle ratings:<br>NEMA Type 1, 3R, 4, 4X, 12               | Handle ratings:<br>NEMA Type 1, 3R, 4, 4X, 12       | Handle ratings:<br>NEMA Type 1, 3R, 4, 4X, 12        | Handle ratings:<br>NEMA Type 1, 3R, 4, 4X, 12        | Handle ratings:<br>NEMA Type 4 and 12 sheet steel or stainless |
| Accessories                  | Power poles and auxiliary contacts                                    | Auxiliary contacts and power lugs                           | Auxiliary contacts and power lugs                           | Auxiliary contacts                                  | Auxiliary contacts                                   | Auxiliary contacts                                   | Right or left-hand operation                                   |
| Approvals                    | UL File E164864 NLRV<br>CSA File LR 81630<br>Class 3211 05            | UL File E191098 WP2X / WP2X7<br>CSA 703149<br>Class 4652 04 | UL File E191098 WP2X / WP2X7<br>CSA 703149<br>Class 4652 04 | UL File E52639 WHY2<br>CSA LR44199<br>Class 4652-04 | UL File E62922 DIHS2<br>CSA LR44199<br>Class 3211 07 | UL File E62922 DIHS2<br>CSA LR44199<br>Class 3211 07 | —                                                              |
| Page                         | 8-3                                                                   | 8-8                                                         | 8-9                                                         | 8-15                                                | 8-19                                                 | 8-21                                                 | 8-25                                                           |

Example of the parts to order to build a complete GS or LK switch:

Choose a Switch

+

Shaft

+

Handle Assembly

+

Lugs if needed



600 A, LK4SU3N



Shaft 320 mm, GS2AE6



Black Handle, GS2AH150



Lugs Kit, GS1AW503

Example:

**LK4SU3N** (600 A nonfusible switch, use 15x12 shaft) + **GS2AE6** (320 mm Type S shaft) + **GS2AH150** (black/ black, lockable)

To add auxiliary contacts:

For front-mounted contacts order **LK4AD30N** (front-mounted auxiliary contact holder) + **GS2AM110**.



30-60 A Compact



100-400 A



GS2AH130



GS2AH150



GS2AH170

Table 8.26: LK Nonfusible IEC Style Disconnect Switches

| Pole | Rating (A) | Catalog Number | \$ Price | Maximum Horsepower Rating |       |       |         | Short Circuit Current Rating 600 Vac |         |
|------|------------|----------------|----------|---------------------------|-------|-------|---------|--------------------------------------|---------|
|      |            |                |          | 240 V                     | 480 V | 600 V | 250 Vdc | Fuse                                 | SCCR kA |
| 3    | 60         | LK4GU3CN       | 218.00   |                           |       | 50    | —       | J                                    | 100     |
| 3    | 100        | LK4JU3N        | 263.00   | 30                        | 75    | 100   | 15      | J                                    | 100     |
| 3    | 200        | LK4MU3N        |          | 75                        | 150   | 200   | 15      | J                                    | 200     |
| 3    | 400        | LK4QU3N        | 1910.00  | 125                       | 250   | 350   | 50      | J                                    | 200     |
| 3    | 600        | LK4SU3N        | 2873.00  | 200                       | 500   | 500   | —       | L                                    | 100     |
| 3    | 800        | LK4TU3N        |          | 200                       | 500   | 500   | —       | L                                    | 100     |
| 3    | 1000       | LK4U3N         |          | 200                       | 500   | 500   | —       | L                                    | 100     |
| 3    | 1200       | LK4WU3N        |          | 200                       | 500   | 500   | —       | L                                    | 100     |

Table 8.27: Handles and Shafts for LK Switches

| Rating (A) | Handle         |           |            |          | Shaft: 12.8/320 in./mm |          | Shaft: 15.7/400 in./mm |          | Shaft Guide    |          |
|------------|----------------|-----------|------------|----------|------------------------|----------|------------------------|----------|----------------|----------|
|            | Catalog Number | Type      | Color      | \$ Price | Catalog Number         | \$ Price | Catalog Number         | \$ Price | Catalog Number | \$ Price |
| 30-60      | LK4AH110CN     | 1, 3R, 12 | Black      |          | LK4AE12CN              |          | —                      | —        | LK4AEAH12CN    | 15.50    |
| 30-60      | LK4AH120CN     | 1, 3R, 12 | Red/Yellow |          |                        |          |                        |          |                |          |
| 30-60      | LK4AH410CN     | 4, 4X     | Black      |          |                        |          |                        |          |                |          |
| 30-60      | LK4AH420CN     | 4, 4X     | Red/Yellow |          |                        |          |                        |          |                |          |
| 100-400    | GS2AH130       | 1, 3R, 12 | Black      |          | GS2AE2                 |          | GS2AE21                |          | —              | —        |
| 100-400    | GS2AH140       | 1, 3R, 12 | Red/Yellow |          |                        |          |                        |          |                |          |
| 100-400    | GS2AH430       | 4, 4X     | Black      |          |                        |          |                        |          |                |          |
| 100-400    | GS2AH440       | 4, 4X     | Red/Yellow |          |                        |          |                        |          |                |          |
| 600        | GS2AH150       | 4, 4X     | Black      |          | GS2AE6                 |          | GS2AE61                |          | —              | —        |
| 600        | GS2AH160       | 4, 4X     | Red/Yellow |          |                        |          |                        |          |                |          |
| 800-1200   | GS2AH170       | 4, 4X     | Black      |          |                        |          |                        |          |                |          |
| 800-1200   | GS2AH180       | 4, 4X     | Red/Yellow |          |                        |          |                        |          |                |          |

▲ Required on shafts for LK4DU3CN and LK4GU3CN switches.

Auxiliary Contacts for LK Switches

| Switch Amperes | Catalog Number | Description                   | \$ Price |
|----------------|----------------|-------------------------------|----------|
| 30-60          | MDSAN20        | Aux Contact 1 N.O. and 1 N.C. |          |
| 30-60          | LK4AD10N       | Aux Contact 2 N.O. and 2 N.C. |          |
| 100-400        | LK4AD10N       | Aux Contact 1 N.O. and 1 N.C. |          |
| 100-400        | LK4AD20N       | Aux Contact 2 N.O. and 2 N.C. |          |
| 600-1200       | LK4AD30N       | Aux Contact Holder            |          |
| 600-1200       | GS2AM110       | Aux Contact 1 N.O.            |          |
| 600-1200       | GS2AM101       | Aux Contact 1 N.C.            |          |

| Switch Amperes | Catalog Number | Description                          | \$ Price |
|----------------|----------------|--------------------------------------|----------|
| 30-60          | LK4AP3CN       | Shroud Top and Bottom, 3-Pole        |          |
| 100-200        | LK4AP33TN      | Shroud Top LK4, 3-Pole, 100/200 A    |          |
| 100-200        | LK4AP33BN      | Shroud Bottom LK4, 3-Pole, 100/200 A |          |
| 400            | LK4AP53TN      | Shroud Top LK4, 3-Pole, 400 A        |          |
| 400            | LK4AP53BN      | Shroud Bottom LK4, 3-Pole, 400 A     |          |
| 600            |                |                                      |          |

600-1200 A standard with top shroud.

New!

**Table 8.30: GS Fusible IEC Style Disconnect Switches**

| Pole | Rating (A) | Catalog Number | \$ Price | Maximum Horsepower Rating |       |       |         | Short Circuit Current Rating 600 Vac |         |
|------|------------|----------------|----------|---------------------------|-------|-------|---------|--------------------------------------|---------|
|      |            |                |          | 240 V                     | 480 V | 600 V | 250 Vdc | Fuse                                 | SCCR kA |
| 3    | 30         | GS1DDU3        | 237.00   | 7.5                       | 15    | 20    | 5       | CC                                   | 100     |
| 3    | 30         | GS1DU3         | 260.00   | 7.5                       | 15    | 20    | 5       | J                                    | 100     |
| 3    | 60         | GS2GU3N        | 336.00   | 15                        | 30    | 50    | 10      | J                                    | 100     |
| 3    | 100        | GS2JU3N        | 536.00   | 30                        | 60    | 75    | 20      | J                                    | 200     |
| 3    | 200        | GS2MU3N        | 1181.00  | 60                        | 125   | 150   | 40      | J                                    | 200     |
| 3    | 400        | GS2QU3N        | 2252.00  | 125                       | 250   | 350   | 50      | J                                    | 200     |
| 3    | 600        | GS2SU3         | 3378.00  | 200                       | 500   | 500   | —       | J                                    | 200     |
| 3    | 800        | GS2TU3         | 5061.00  | 200                       | 500   | 500   | —       | J                                    | 200     |



GS2GU3N



GS2AH110



GS2AH130



GS2AH150

**Table 8.31: Handles and Shafts for GS Switches**

| Rating (A) | Handle      |           |            |          | Shaft: 12.6 in. (320 mm) |          | Shaft: 15.7 in. (400 mm) |          | Shaft Guide |          |
|------------|-------------|-----------|------------|----------|--------------------------|----------|--------------------------|----------|-------------|----------|
|            | Catalog No. | Type      | Color      | \$ Price | Catalog No.              | \$ Price | Catalog No.              | \$ Price | Catalog No. | \$ Price |
| 30-60      | GS2AH110    | 1, 3R, 12 | Black      | 62.00    | GS2AE8                   | 18.60    | GS2AE81                  | 22.30    | LKN4AEAH12C | 15.50    |
| 30-60      | GS2AH120    | 1, 3R, 12 | Red/Yellow | 62.00    |                          |          |                          |          |             |          |
| 30-60      | GS2AH410    | 4, 4X     | Black      | 70.00    |                          |          |                          |          |             |          |
| 30-60      | GS2AH420    | 4, 4X     | Red/Yellow | 70.00    | GS2AE2                   | 20.30    | GS2AE21                  | 25.00    | —           | —        |
| 100-400    | GS2AH130    | 1, 3R, 12 | Black      | 70.00    |                          |          |                          |          |             |          |
| 100-400    | GS2AH140    | 1, 3R, 12 | Red/Yellow | 70.00    |                          |          |                          |          |             |          |
| 100-400    | GS2AH130    | 4, 4X     | Black      | 78.00    | GS2AE5                   | 32.60    | GS2AE51                  | 40.40    | —           | —        |
| 100-400    | GS2AH440    | 4, 4X     | Red/Yellow | 78.00    |                          |          |                          |          |             |          |
| 600-800    | GS2AH150    | 4, 4X     | Black      | 263.00   |                          |          |                          |          |             |          |
| 600-800    | GS2AH160    | 4, 4X     | Red/Yellow | 263.00   |                          |          |                          |          |             |          |

**Table 8.32: Auxiliary Contacts for GS Switches▲**

| Switch Amperes | Catalog Number | Description        | \$ Price |
|----------------|----------------|--------------------|----------|
| 30-800         | GS2AM110       | Aux Contact 1 N.O. | 14.70    |
| 30-800         | GS2AM101       | Aux Contact 1 N.C. | 14.70    |
| 30             | GS1AD10        | Aux Contact Holder | 46.70    |

▲ GS1DU3 and GS1DDU3 switches allow up to 4 auxiliary contacts without adding contact holder GS1AD10. For more than 4 contacts, GS1AD10 is required.



Auxiliary Contacts  
GS1AD10 + GS2AM110

**Table 8.33: Flange Handle Cable Operator Kits▲**

| Catalog Number | Description                                  | \$ Price |
|----------------|----------------------------------------------|----------|
| GS2AH36F       | Flange Handle and 36 in. Cable Operator Kit  | 417.00   |
| GS2AH60F       | Flange Handle and 60 in. Cable Operator Kit  | 432.00   |
| GS2AH120F      | Flange Handle and 120 in. Cable Operator Kit | 476.00   |

▲ Compatible with 60 through 200 Amp switches.



Flange Handle  
Cable Operator Kit

**Table 8.34: Shorting Links**

| For use on     | Shorting Links per Kit | Catalog No. | \$ Price |
|----------------|------------------------|-------------|----------|
| GS2, 60 A      | 3                      | GS1AU203    | 29.60    |
| GS2, 100 A     | 3                      | GS1AU303    | 41.90    |
| GS2, 200 A     | 3                      | GS1AU403    | 62.10    |
| GS2, 400 A     | 3                      | GS1AU503    | 93.00    |
| GS2, 600-800 A | 3                      | GS1AU803    | 156.00   |



Shorting Links

**Table 8.35: Terminal Shrouds for GS Switches, Line or Load▲**

| Switch Amperes | Catalog Number | Description            | \$ Price |
|----------------|----------------|------------------------|----------|
| 30-100         | —              | Standard on product    | —        |
| 200            | GS2AP43        | GS2, 3-Pole, 200 A     | 101.00   |
| 400            | GS2AP53        | GS2, 3-Pole, 400 A     | 101.00   |
| 600-800        | GS2AP73        | GS2, 3-Pole, 600-800 A | 140.00   |

▲ Order one terminal shroud per side. For example, order one terminal shroud for either the line side or load side; order two terminal shrouds for both the line side and load side.

## Accessories

Table 8.36: Terminal Lugs

| For Use On | Rating | No. of Wires per Lug | No. of Lugs per Terminal | Lug Size (AWG)  | Wire Type | Lugs per Kit | Lug Kit Catalog Number |
|------------|--------|----------------------|--------------------------|-----------------|-----------|--------------|------------------------|
| LK4DU3CN   | 30     | 1                    | 1                        | #12-2/0         | Cu        | —            | Standard               |
| LK4GU3CN   | 60     | 1                    | 1                        | #12-2/0         | Cu        | —            | Standard               |
| LK4JU3N    | 100    | 1                    | 1                        | 6-300 kcmil     | Cu/Al     | 6            | GS1AW403               |
| LK4MU3N    | 200    | 1                    | 1                        | 6-300 kcmil     | Cu/Al     | 6            | GS1AW403               |
| LK4QU3N    | 400    | 1                    | 1                        | 600MCM          | Cu/Al     | 6            | GS1AW603               |
|            |        | 2                    | 1                        | 2 x 350MCM      | Cu/Al     | 6            | GS1AW606               |
| LK4SU3N    | 600    | 2                    | 1                        | 2 x 2-600 kcmil | Cu/Al     | 6            | GS1AW503               |
| LK4TU3N    | 800    | 2                    | 2                        | 2 x 2-600 kcmil | Cu/Al     | 12           | GS1AW903               |
| LK4UU3N    | 1000   | 2                    | 2                        | 2 x 2-600 kcmil | Cu/Al     | 12           | GS1AW903               |
| LK4WU3N    | 1200   | 2                    | 2                        | 2 x 2-600 kcmil | Cu/Al     | 12           | GS1AW903               |
| GS1DDU3    | 30     | 1                    | 1                        | #14-#10         | Cu        | —            | Standard               |
| GS1DU3     | 30     | 1                    | 1                        | #14-#10         | Cu        | —            | Standard               |
| GS2GU3N    | 60     | 1                    | 1                        | #10-#6          | Cu        | —            | Standard               |
| GS2JU3N    | 100    | 1                    | 1                        | #12-#1          | Cu        | —            | Standard               |
| GS2MU3N    | 200    | 1                    | 1                        | 6-300 kcmil     | Cu/Al     | 6            | GS1AW403               |
| GS2QU3N    | 400    | 1                    | 1                        | 600MCM          | Cu/Al     | 6            | GS1AW603               |
|            |        | 2                    | 1                        | 2 x 350MCM      | Cu/Al     | 6            | GS1AW606               |
| GS2SU3     | 600    | 2                    | 1                        | 2 x 2-600 kcmil | Cu/Al     | 6            | GS1AW503               |
| GS2TU3     | 800    | 2                    | 1                        | 2 x 2-600 kcmil | Cu/Al     | 6            | GS1AW503               |

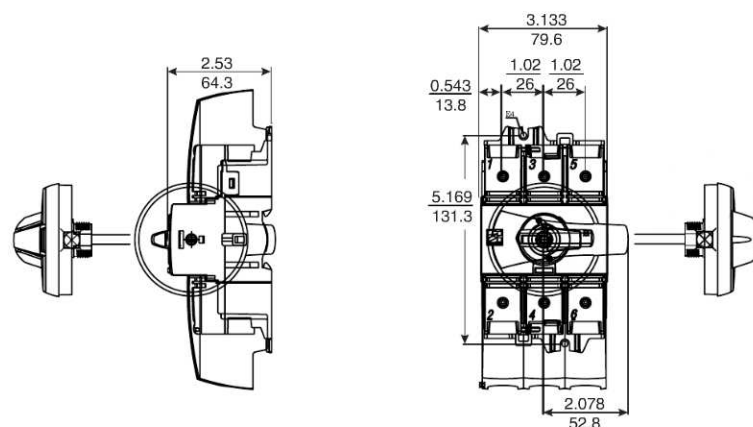
Table 8.37: Power Distribution Lugs

| For Use On | Rating | No. of Wires per Lug | Lug Size (AWG) | Wire Type | Lugs per Kit | Lug Kit Catalog Number |
|------------|--------|----------------------|----------------|-----------|--------------|------------------------|
| GS2JU3N    | 100    | 6                    | #14-#6         | Cu        | 3            | GS1AW306               |
| GS2MU3N    | 200    | 12                   | #14-#4         | Cu        | 3            | GS1AW406               |
| GS2QU3N    | 400    | 6                    | #12-2/0        | Cu        | 3            | GS1AW506               |

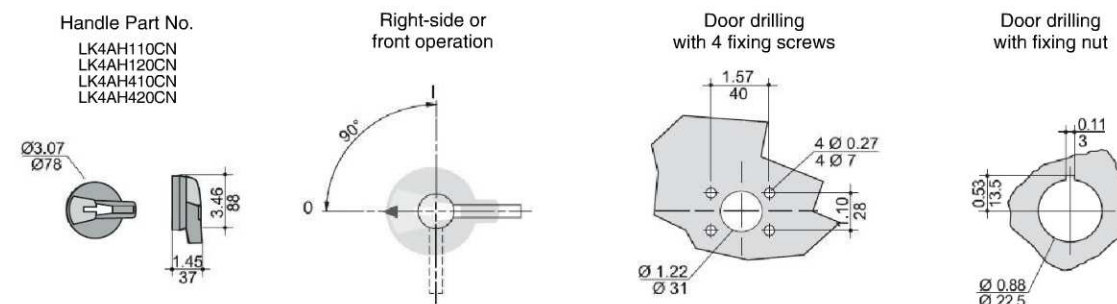


Terminal Lugs

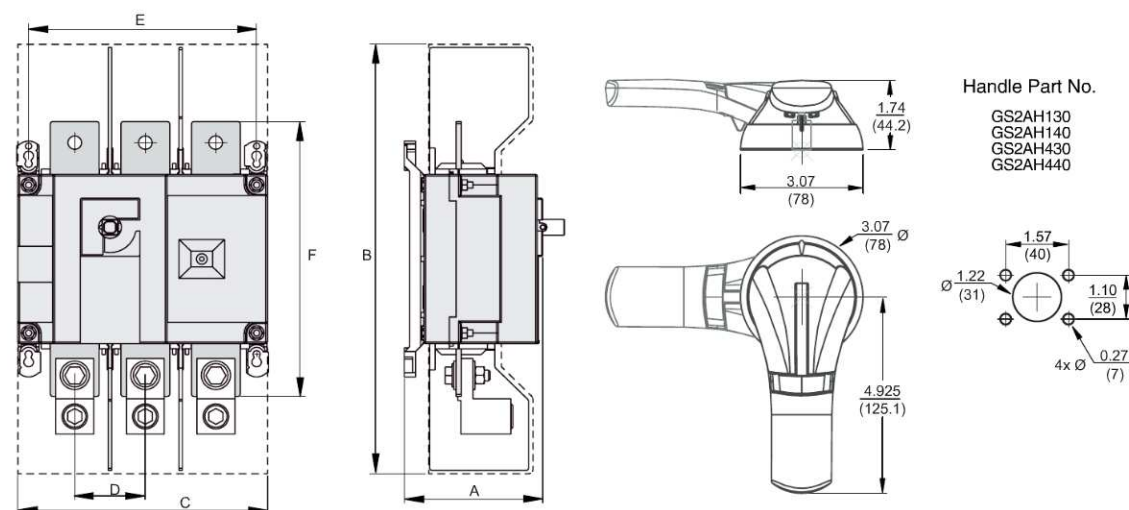
**LK4DU3CN and LK4GU3CN, 30–60 A Compact Nonfusible Disconnect Switches**



**Handle for 30–60 A Compact Nonfusible Disconnect Switches**



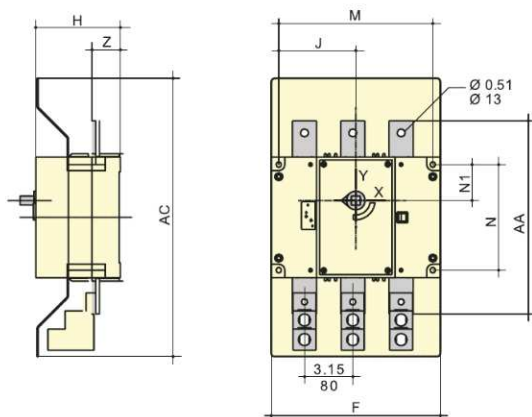
**LK4JU3N / LK4MU3N / LK4QU3N, 100–400 A Nonfusible Disconnect Switches—Dimensions**



| Rating (A) | Dimensions = in. (mm) |            |            |           |            |            |
|------------|-----------------------|------------|------------|-----------|------------|------------|
|            | A                     | B          | C          | D         | E          | F          |
| 100–200    | 3.72 (94.6)           | 10.1 (256) | 7.09 (180) | 1.97 (50) | 6.3 (160)  | 6.3 (160)  |
| 400        | 4.92 (128)            | 16 (406)   | 9.05 (230) | 2.56 (65) | 8.26 (210) | 10.2 (260) |

Dimensions:  $\frac{\text{in.}}{\text{mm}}$

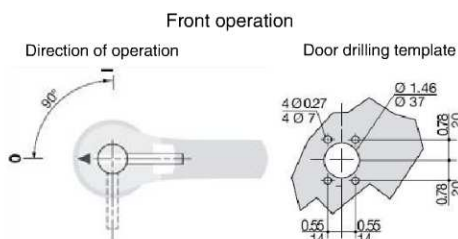
**LK4SU3N, 600 A Nonfusible Disconnect Switches—Dimensions**



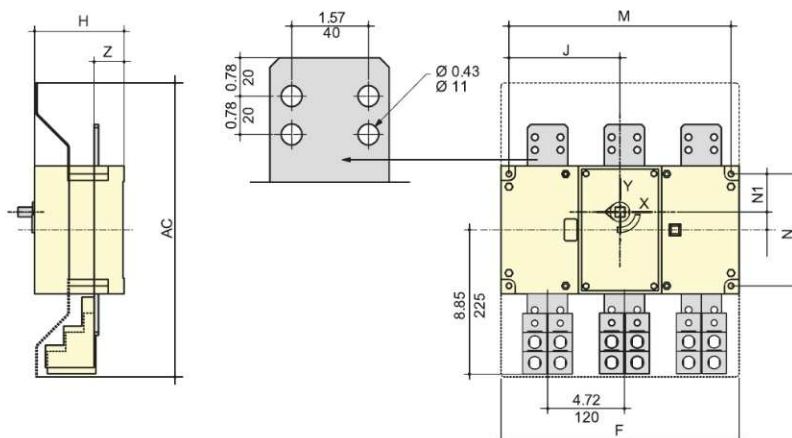
| Rating (A) | Dimensions = in. (mm) |          |           |             |             |            |             |            |           |
|------------|-----------------------|----------|-----------|-------------|-------------|------------|-------------|------------|-----------|
|            | AC                    | F        | H         | J           | M           | N          | N1          | AA         | Z         |
| 600        | 18.12 (460)           | 11 (280) | 5.5 (140) | 5.0 (127.5) | 10.03 (255) | 6.88 (175) | 2.34 (59.5) | 12.6 (320) | 1.85 (47) |

**Handle for 600 A and 800 A Fusible Disconnect Switches**

Handle Part No.  
GS2AH150  
GS2AH160



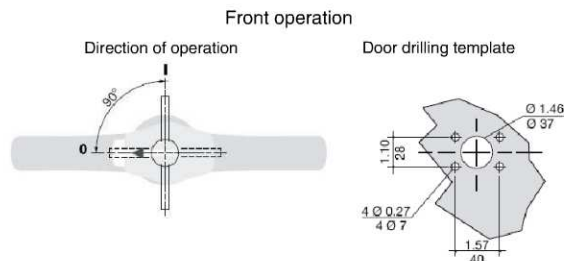
**LK4TU3N / LK4UU3N / LK4WU3N, 800–1200 A Nonfusible Disconnect Switches—Dimensions**



| Rating (A) | Dimensions = in. (mm) |             |           |              |             |            |             |           |
|------------|-----------------------|-------------|-----------|--------------|-------------|------------|-------------|-----------|
|            | AC                    | F           | H         | J            | M           | N          | N1          | Z         |
| 800–1200   | 18.12 (460)           | 14.64 (372) | 5.5 (140) | 6.83 (173.5) | 13.66 (347) | 6.88 (175) | 2.34 (59.5) | 1.85 (47) |

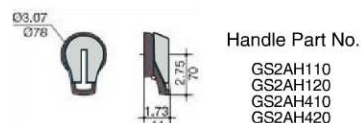
**Handle for 800–1200 A Fusible Disconnect Switches**

Handle Part No.  
GS2AH170  
GS2AH180



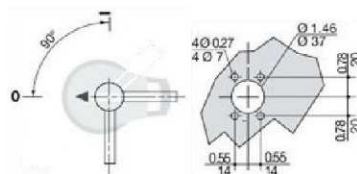
Dimensions:  $\frac{\text{in.}}{\text{mm}}$

**Handle for 30 A and 60 A Fusible Disconnect Switches**



Handle Part No.

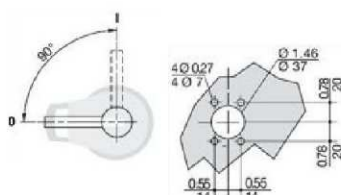
GS2AH110  
GS2AH120  
GS2AH410  
GS2AH420



Front operation

Direction of operation

Door drilling template

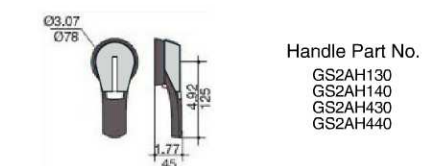


Side operation

Direction of operation

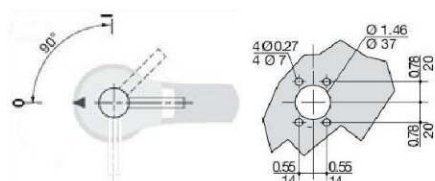
Door drilling template

**Handle for 100 A, 200 A, and 400 A Fusible Disconnect Switches**



Handle Part No.

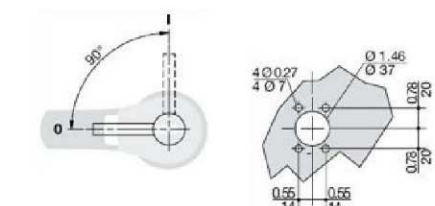
GS2AH130  
GS2AH140  
GS2AH430  
GS2AH440



Front operation

Direction of operation

Door drilling template

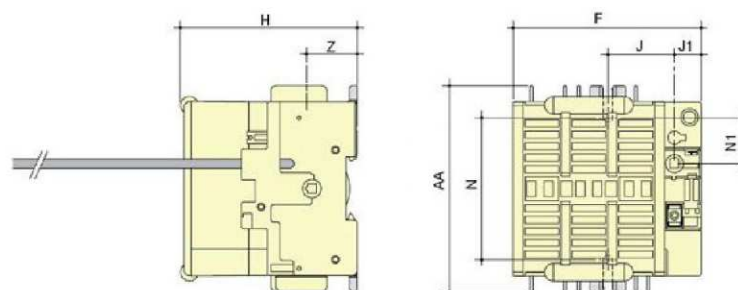


Side operation

Direction of operation

Door drilling template

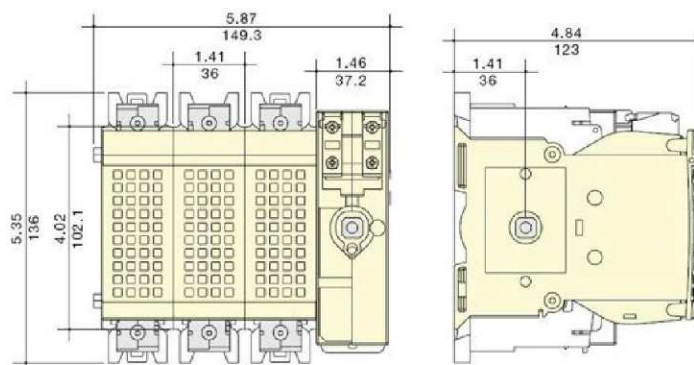
**GS1DDU3, 30 A Fusible Disconnect Switches, Class CC Fuses and GS1DU3, 30 A Fusible Disconnect Switches, Class J Fuses—Dimensions**



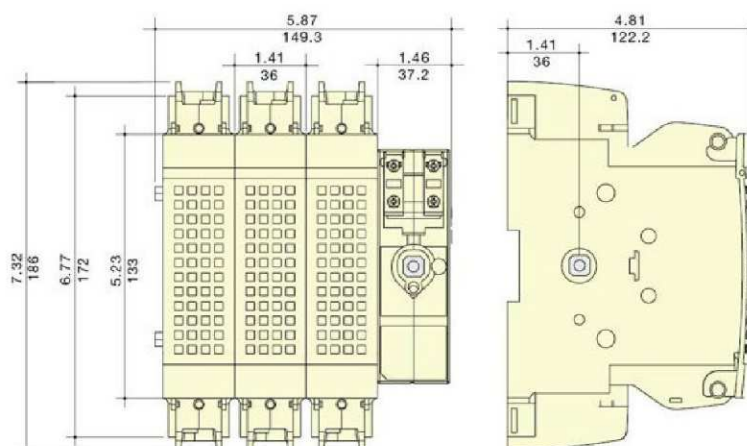
Example:  
GS1DU3

| Rating (A) | Dimensions = in. (mm) |             |             |           |             |          |            |             |
|------------|-----------------------|-------------|-------------|-----------|-------------|----------|------------|-------------|
|            | F                     | H           | J           | J1        | N           | N1       | AA         | Z           |
| 30 / CC    | 3.78 (96)             | 3.28 (83.5) | 1.47 (37.5) | 0.59 (15) | 3.13 (79.5) | 1 (25.5) | 4.56 (116) | 1.12 (28.5) |
| 30 / J     | 4.13 (105)            | 3.89 (99)   | 1.47 (37.5) | 0.59 (15) | 3.13 (79.5) | 1 (25.5) | 4.56 (116) | 1.12 (28.5) |

**GS2GU3N, 60 A Fusible Disconnect Switches, Class J Fuses**

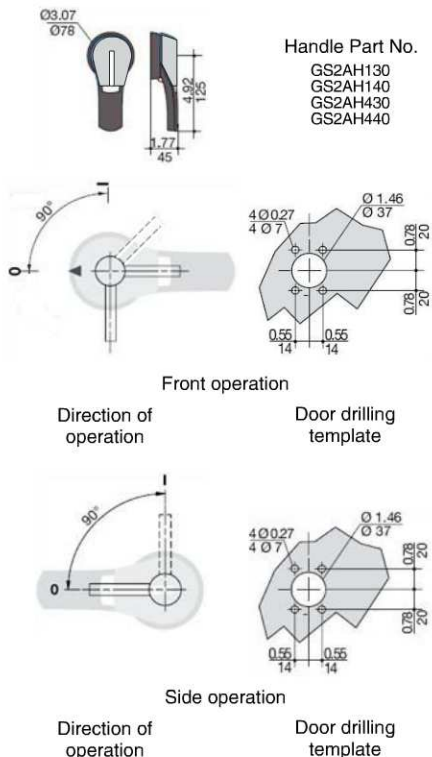


**GS2JU3N, 100 A Fusible Disconnect Switches, Class J Fuses**

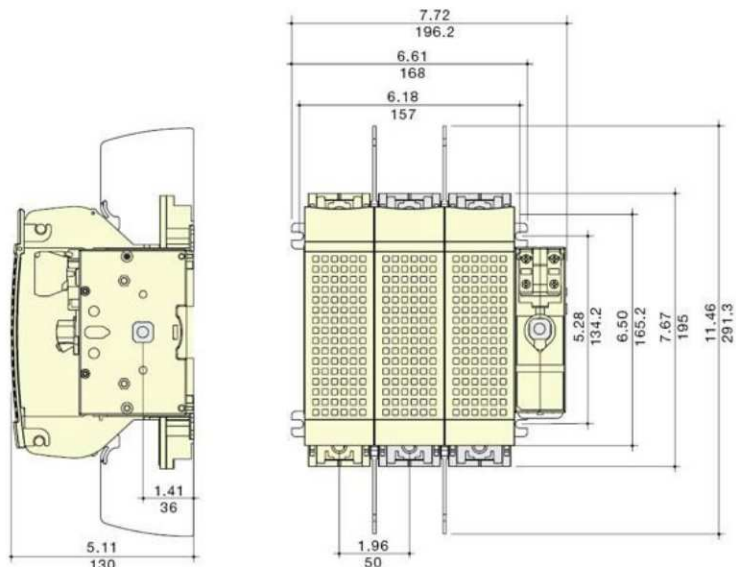


Dimensions:  $\frac{\text{in.}}{\text{mm}}$

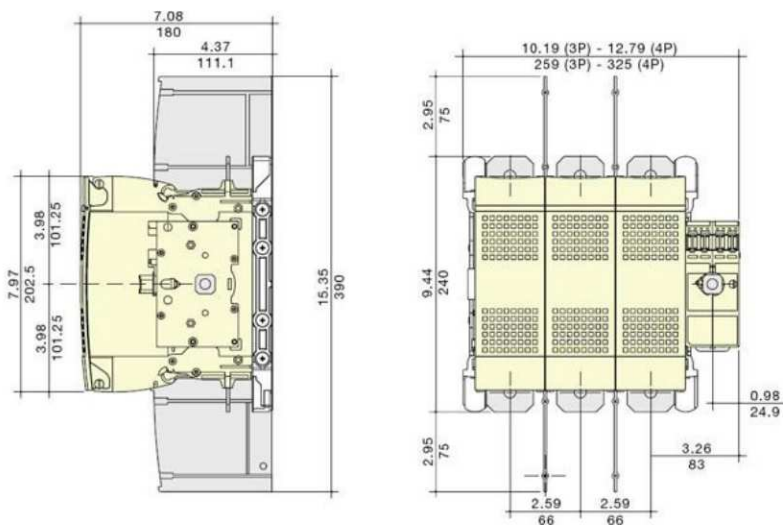
**Handle for 100 A, 200 A, and 400 A  
Fusible Disconnect Switches**



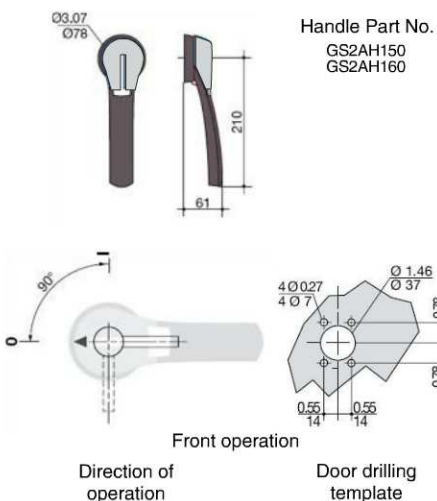
**GS2MU3N, 200 A Fusible Disconnect Switches, Class J Fuses**



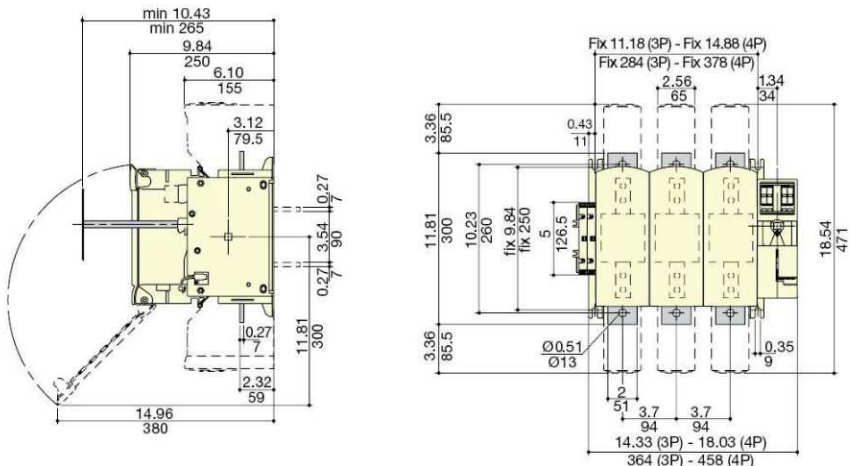
**GS2QU3N, 400 A Fusible Disconnect Switches, Class J Fuses**



**Handle for 600 A and 800 A Fusible  
Disconnect Switches**



**GS2SU3, 600 A Fusible Disconnect Switches, Class J Fuses  
GS2TU3, 800 A Fusible Disconnect Switches, Class J Fuses**



Dimensions:  $\frac{\text{in.}}{\text{mm}}$