



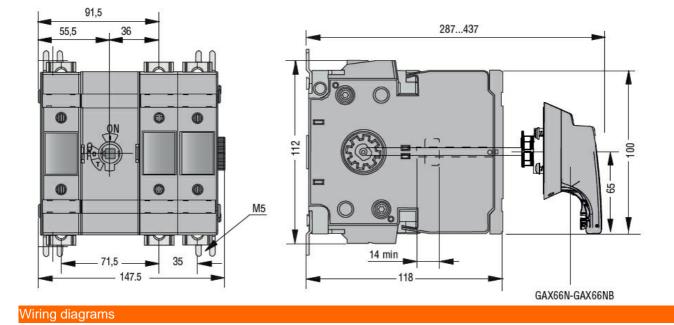
| Product designation                           |              |         | Switch<br>disconnector with<br>fuse |
|---|--------------|---------|-------------------------------------|
| Product type designation                      |              |         | GM                                  |
| Type of fuse                                  |              |         | J                                   |
| Number of poles                               |              | Nr.     | 3                                   |
| Operating voltage type                        |              |         | AC                                  |
| Contact characteristics                       |              |         |                                     |
| IEC Conventional free air thermal current Ith |              | А       | 63                                  |
| Rated insulation voltage Ui IEC/EN            |              | V       | 1000                                |
| Rated impulse withstand voltage Uimp          |              | kV      | 12                                  |
| Operating current le                          |              |         |                                     |
| AC21A   |              |         |                                     |
|   | 400V         | А       | 63                                  |
|   | 500V         | А       | 63                                  |
|   | 690V         | А       | 63                                  |
| AC22A   |              |         |                                     |
|   | 400V         | А       | 63                                  |
|   | 500V         | А       | 63                                  |
|   | 690V         | А       | 63                                  |
| AC23A   |              |         |                                     |
|   | 400V         | А       | 63                                  |
|   | 500V         | А       | 63                                  |
|   | 690V         | А       | 63                                  |
| Power dissipation per pole max                |              | W       | 4                                   |
| Power dissipation per pole without fuse       |              | W       | 4                                   |
| Max fuse power dissipation                    |              |         |                                     |
|   | in open air  | W       | 7.5                                 |
|   | in enclosure | W       | 7.5                                 |
| Rated operational power AC23A                 |              |         |                                     |
|   | 400V         | kW      | 30                                  |
|   | 690V         | kW      | 55                                  |
| Rated short time current (1s) Icw (rms)       |              | kA      | 2.5                                 |
| Short-circuit protection with fuse            |              | Class/A | J/60                                |
| Making capacity AC23A 400V                    |              | A       | 630                                 |
| Breaking capacity AC23A 400V                  |              | А       | 504                                 |
| Mechanical life                               |              | cycles  | 10000                               |
| Electrical life AC21A                         |              | cycles  | 6000                                |
| Mechanical features                           |              | eyelee  |                                     |
| Operating position                            |              |         |                                     |
|   | normal       |         | Vertical plan                       |
|   | allowable    |         | Any                                 |
| Fixing  |              |         | Screw                               |
| Terminals                                     |              |         |                                     |
|   |              |         |                                     |

GMFJ060C12



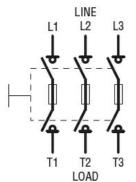
## GMFJ060C12 THREE-POLE DISCONNECT SWITCH WITH FUSE HOLDER (UL98). 60A. J UL FUSE TYPE. CENTRAL COMMAND POLE

| $\begin{array}{c c c c c c } & max & Nm & 3.5 \\ max & lbin & 2.5 \\ \hline lbin & 2.5 \\ \hline lec min & mm^2 & 2.5 \\ \hline lec max & mm^2 & 2.5 \\ \hline AWG/kcmil min & 14 \\ \hline AWG/kcmil max & 4 \\ \hline UL technical data & & & & \\ \hline UL technical data & & & \\ \hline UL technical data & & & \\$ |  | type          |         | Built-in terminal<br>lug |
|--|--|---------------|---------|--------------------------|
| maxlbin2.5Conductor sectionIEC min<br>IEC max<br>mm²2.5IEC max<br>IEC max<br>  | Tightening torque for terminals          |               |         |                          |
| Conductor section       IEC min       mm²       2.5         IEC max       mm²       25         AWG/kcmil min       14         AWG/kcmil min       14         AWG/kcmil max       4         UL technical data       UL98         General purpose current rating       A       60         Operating voltage max       V       600         Horsepower/FLA current three phase motor       240V       HP       15/42         480V       HP       30/40       600V       HP       52/52         Short circuit rating       kA rms       200       Short circuit rating with fuse       Class/A       J/60         Ambient conditions       UL       Storage temperature       min       °C       -25         Storage temperature       min       °C       -25       -25         Storage temperature       min       °C       -40       -25         Max altitude       m       30000       -225       -25         Pollution degree       IP20       -70       -70  |  | max           | Nm      | 3.5                      |
| IEC min<br>IEC max         mm²<br>mm²         2.5           AWG/kcmil min<br>AWG/kcmil max         14           AWG/kcmil max         4           UL technical data            UL Standard         UL98           General purpose current rating         A         60           Operating voltage max         V         600           Horsepower/FLA current three phase motor         240V         HP         15/42           480V         HP         30/40         600V         HP         52/52           Short circuit rating         KA rms         200         Short circuit rating with fuse         Class/A         J/60           Ambient conditions         Class/A         J/60         Mm²         °C         55           Storage temperature         min         °C         25         55           Storage temperature         min         °C         70           Max altitude         max         °C         70           Max altitude         max         °C         70           Resistance & Protection         min         3         120  |  | max           | Ibin    | 2.5                      |
| IEC max<br>AWG/kcmil min<br>AWG/kcmil max         mm²         25<br>14<br>AWG/kcmil max           UL technical data          UL98           General purpose current rating         A         60           Operating voltage max         V         600           Horsepower/FLA current three phase motor         V         600           KA rms         200         50/40           Short circuit rating         KA rms         200           Short circuit rating with fuse         Class/A         J/60           Ambient conditions         V         55           Storage temperature         min<br>"C         -25<br>max<"C  | Conductor section                        |               |         |                          |
| AWG/kcmil min<br>AWG/kcmil max         14           AWG/kcmil max         4           UL echnical data         UL98           General purpose current rating         A         60           Operating voltage max         V         600           Horsepower/FLA current three phase motor         240V         HP         15/42           480V         HP         30/40         600V         HP         52/52           Short circuit rating         KA rms         200 <td< td=""><td></td><td>IEC min</td><td>mm²</td><td>2.5</td></td<>  |  | IEC min       | mm²     | 2.5                      |
| AWG/kcmil max         4           UL technical data         UL98           General purpose current rating         A         60           Operating voltage max         V         600           Horsepower/FLA current three phase motor         240V         HP         15/42           480V         HP         30/40         600V         HP         30/40           600V         HP         52/52         50         KA rms         200           Short circuit rating         KA rms         200         50         50           Short circuit rating with fuse         Class/A         J/60         40         40           Ambient conditions         Class/A         J/60         55   |  | IEC max       | mm²     | 25                       |
| UL technical data       UL98         General purpose current rating       A       60         Operating voltage max       V       600         Horsepower/FLA current three phase motor       240V       HP       15/42         480V       HP       30/40       600V         600V       HP       52/52       52         Short circuit rating       KA rms       200         Short circuit rating with fuse       Class/A       J/60         Ambient conditions       V       655         Storage temperature       min       °C       -25         max       °C       70       70         Max altitude       m       3000       3   |  | AWG/kcmil min |         | 14                       |
| UL Standard       UL98         General purpose current rating       A       60         Operating voltage max       V       600         Horsepower/FLA current three phase motor       240V       HP       15/42         480V       HP       30/40       600V       HP       32/52         Short circuit rating       KA rms       200       Short circuit rating with fuse       Class/A       J/60         Ambient conditions       Class/A       J/60       J/60       J/60         Operating temperature       min       °C       -25         Storage temperature       min       °C       -25         Max altitude       m       3000       3  |  | AWG/kcmil max |         | 4                        |
| General purpose current rating       A       60         Operating voltage max       V       600         Horsepower/FLA current three phase motor       240V       HP       15/42         480V       HP       30/40       600V       HP       52/52         Short circuit rating       kA rms       200       200       Short circuit rating with fuse       Class/A       J/60         Ambient conditions       Class/A       J/60       J/60       J/60         Operating temperature       min       °C       -25       -25         Storage temperature       min       °C       -25         Max altitude       m       3000       3   | UL technical data                        |               |         |                          |
| Operating voltage max       V       600         Horsepower/FLA current three phase motor       240V       HP       15/42         480V       HP       30/40       600V       HP       52/52         Short circuit rating       kA rms       200       200       200       200         Short circuit rating with fuse       Class/A       J/60       J/60         Ambient conditions       0       0       0       0         Operating temperature       min       °C       -25       max       °C       55         Storage temperature       min       °C       -40       max       °C       70         Max altitude       m       3000       3       0       0         Resistance & Protection       IP20       0       0       0       0  | UL Standard                              |               |         | UL98                     |
| Horsepower/FLA current three phase motor $ \begin{array}{ccccccccccccccccccccccccccccccccccc$  | General purpose current rating           |               | А       | 60                       |
| 240V         HP         15/42           480V         HP         30/40           600V         HP         52/52           Short circuit rating         kA rms         200           Short circuit rating with fuse         Class/A         J/60           Ambient conditions         Class/A         J/60           Operating temperature         min         °C         -25           max         °C         55         55           Storage temperature         min         °C         -40           max         °C         70         max         °C         70           Max altitude         m         3000         1920         1920         1920           Pollution degree         3         3         3         1920         1920   | Operating voltage max                    |               | V       | 600                      |
| 240V         HP         15/42           480V         HP         30/40           600V         HP         52/52           Short circuit rating         kA rms         200           Short circuit rating with fuse         Class/A         J/60           Ambient conditions         Class/A         J/60           Operating temperature         min         °C         -25           max         °C         55         55           Storage temperature         min         °C         -40           max         °C         70         max         °C         70           Max altitude         m         3000         1920         1920         1920           Pollution degree         3         3         3         1920         1920   | Horsepower/FLA current three phase motor |               |         |                          |
| 600VHP52/52Short circuit ratingkA rms200Short circuit rating with fuseClass/AJ/60Ambient conditionsOperating temperaturemin°C-25max°C55Storage temperaturemin°C-40max°C70max°CMax altitudem3000Resistance & ProtectionIP20Pollution degree331  |  | 240V          | HP      | 15/42                    |
| Short circuit rating       kA rms       200         Short circuit rating with fuse       Class/A       J/60         Ambient conditions           Operating temperature       min       °C       -25         max       °C       55         Storage temperature       min       °C       -40         max       °C       70         Max altitude       m       3000         Resistance & Protection       IP20         Pollution degree       3   |  | 480V          | HP      | 30/40                    |
| Short circuit rating with fuse       Class/A       J/60         Ambient conditions           Operating temperature       min       °C       -25         max       °C       55         Storage temperature       min       °C       -40         max       °C       70         Max altitude       m       3000         Resistance & Protection       IP20         Pollution degree       3   |  | 600V          | HP      | 52/52                    |
| Ambient conditions         Operating temperature         min       °C       -25         max       °C       55         Storage temperature       min       °C       -40         max       °C       70         Max altitude       m       3000         Resistance & Protection         Frontal IP degree       IP20         Pollution degree       3   | Short circuit rating                     |               | kA rms  | 200                      |
| Operating temperature       min       °C       -25         max       °C       55         Storage temperature       min       °C       -40         max       °C       70         Max altitude       m       3000         Resistance & Protection         Frontal IP degree       IP20         Pollution degree       3  | Short circuit rating with fuse           |               | Class/A | J/60                     |
| min<br>max°C<br>°C-25<br>55Storage temperaturemin<br>°C°C<br>-40<br>max<br>°C-40<br>70Max altitudem<br>30003000Resistance & ProtectionIP20<br>3  | Ambient conditions                       |               |         |                          |
| min<br>max°C<br>°C-25<br>55Storage temperaturemin<br>  | Operating temperature                    |               |         |                          |
| Storage temperature       min       °C       -40         max       °C       70         Max altitude       m       3000         Resistance & Protection       IP20         Frontal IP degree       3  |  | min           | °C      | -25                      |
| min       °C       -40         max       °C       70         Max altitude       m       3000         Resistance & Protection         Frontal IP degree       IP20         Pollution degree       3   |  | max           | °C      | 55                       |
| min       °C       -40         max       °C       70         Max altitude       m       3000         Resistance & Protection         Frontal IP degree       IP20         Pollution degree       3   | Storage temperature                      |               |         |                          |
| Max altitudem3000Resistance & ProtectionIP20Frontal IP degreeIP20Pollution degree3   |  | min           | °C      | -40                      |
| Resistance & ProtectionFrontal IP degreeIP20Pollution degree3  |  | max           | °C      | 70                       |
| Resistance & ProtectionFrontal IP degreeIP20Pollution degree3  | Max altitude                             |               | m       | 3000                     |
| Frontal IP degreeIP20Pollution degree3   |  |               |         |                          |
| Pollution degree 3   |  |               |         | IP20                     |
| 5  |  |               |         |                          |
|  | Dimensions                               |               |         |                          |



## GMFJ060C12





| LOAD                  |                                       |                      |
|-----------------------|---------------------------------------|----------------------|
| Certifications and co | mpliance                              |                      |
| Compliance            |                                       |                      |
|                       | IEC/EN 60947-1                        |                      |
|                       | IEC/EN 60947-3                        |                      |
| Certifications        |                                       |                      |
|                       | cULus according to UL98/CSA C22.2 n°4 |                      |
| ETIM classification   |                                       |                      |
| ETIM 8.0              |                                       | EC000216 -<br>Switch |

GMFJ060C12

disconnector