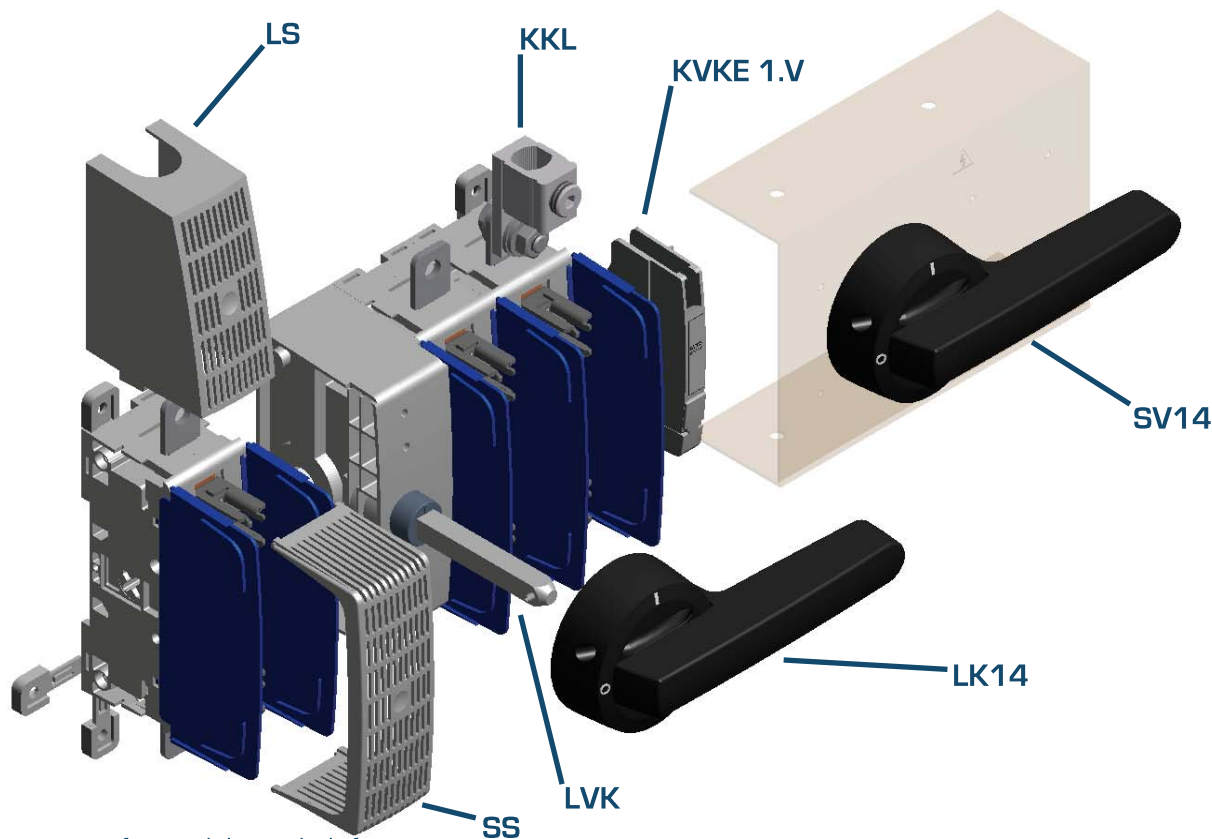


# LOAD BREAK SWITCHES 125-630 A

## TECHNICAL DATA

### VKE



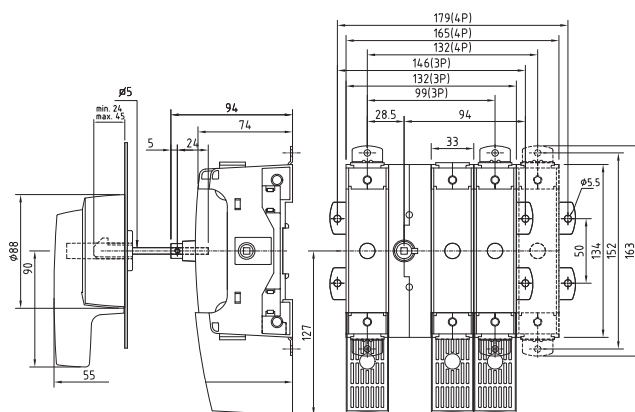
Structure of a modular switch fuse

| SAFETY SWITCHES / ISOLATORS                                                           |          | 125 A | 160 A | 200 A | 250 A | 315 A | 400 A | 630 A |
|---------------------------------------------------------------------------------------|----------|-------|-------|-------|-------|-------|-------|-------|
| Rated insulation voltage, $U_i$ [V]                                                   |          | 690   | 690   | 1000  | 1000  | 1000  | 1000  | 1000  |
| Rated thermal current, $I_{th}$ [A]                                                   |          | 160   | 160   | 200   | 250   | 315   | 400   | 630   |
| Nominal values with cable size [mm <sup>2</sup> ]                                     |          | 70    | 70    | 95    | 120   | 185   | 240   | 2x185 |
| Rated operational current, $I_e$ [A]                                                  |          |       |       |       |       |       |       |       |
| AC-21                                                                                 | 400/415V | 160   | 160   | 200   | 250   | 315   | 400   | 630   |
|                                                                                       | 500V     | 160   | 160   | 200   | 250   | 315   | 400   | 630   |
|                                                                                       | 690V     | 160   | 160   | 200   | 250   | 315   | 400   | 630   |
| AC-22                                                                                 | 400/415V | 125   | 160   | 200   | 250   | 315   | 400   | 630   |
|                                                                                       | 500V     | 125   | 160   | 200   | 250   | 315   | 400   | 630   |
|                                                                                       | 690V     | 125   | 160   | 200   | 250   | 315   | 400   | 630   |
| AC-23                                                                                 | 400/415V | 125   | 125   | 200   | 250   | 315   | 400   | 630   |
|                                                                                       | 500V     | 125   | 125   | 200   | 250   | 315   | 400   | 500   |
|                                                                                       | 690V     | 125   | 125   | 200   | 250   | 315   | 400   | 500   |
| Rated operational power for 3-phase [1500 r.p.m.] squirrel cage induction motors [kW] |          |       |       |       |       |       |       |       |
| AC-23                                                                                 | 400/415V | 55    | 55    | 110   | 132   | 160   | 200   | 355   |
|                                                                                       | 500V     | 75    | 75    | 132   | 160   | 200   | 250   | 355   |
|                                                                                       | 690V     | 90    | 90    | 160   | 250   | 315   | 355   | 500   |
| Rated fused short circuit current                                                     |          |       |       |       |       |       |       |       |
| Back-up fuse [A]                                                                      |          | 125   | 160   | 250   | 250   | 400   | 400   | 630   |
| R.M.S. value, $I_k$ [kA]                                                              |          | 50    | 25    | 50    | 50    | 50    | 50    | 50    |
| Peak value [kA]                                                                       |          | 11    | 11    | 18    | 18    | 26    | 26    | 32    |
| Rated short circuit making capacity, $I_{cm}$ [kA]                                    |          |       |       |       |       |       |       |       |
|                                                                                       | 690V     | 6     | 6     | 7     | 7     | 12    | 12    | 17    |
| Rated short time withstand current [1 s], $I_{cw}$ [kA]                               |          |       |       |       |       |       |       |       |
|                                                                                       | 690V     | 4     | 4     | 5     | 5     | 7     | 7     | 10    |
| Rated breaking capacity, $I_{cn}$ [A]                                                 |          |       |       |       |       |       |       |       |
| AC-23                                                                                 | 400/415V | 1000  | 1000  | 1600  | 2000  | 2520  | 3200  | 5040  |
|                                                                                       | 500V     | 1000  | 1000  | 1600  | 2000  | 2520  | 3200  | 4000  |
|                                                                                       | 690V     | 1000  | 1000  | 1600  | 2000  | 2520  | 3200  | 4000  |
| Electrical endurance [operations]                                                     |          | 2000  | 2000  | 2000  | 2000  | 2000  | 2000  | 2000  |
| Mechanical endurance [operations]                                                     |          | 16000 | 16000 | 16000 | 16000 | 1000  | 10000 | 10000 |
| Terminals / Bolt size Cu [mm <sup>2</sup> ]                                           |          | 6-70  | 6-70  | M10   | M10   | M10   | M10   | M12   |
| Max terminal torque [Nm]                                                              |          | 6     | 6     | 30-44 | 30-44 | 30-44 | 30-44 | 50-75 |

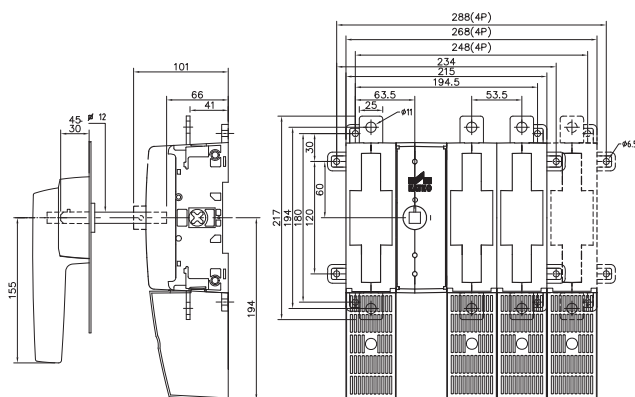
## LOAD BREAK SWITCHES VKE SERIES



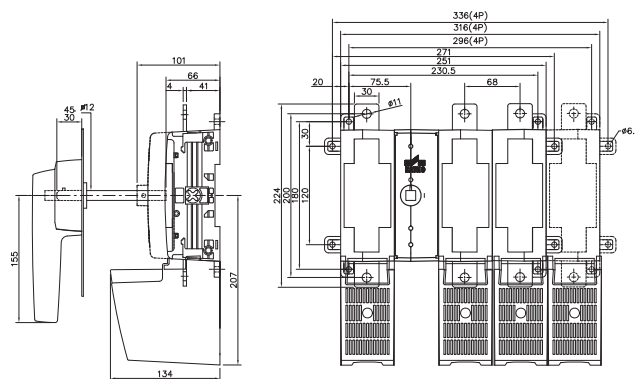
VKE 125-160 A



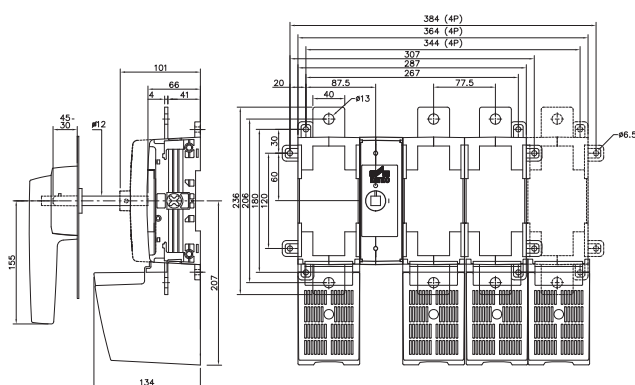
VKE 200-250 A



VKE 315-400 A



VKE 630 A



## LOAD BREAK SWITCHES VKE



- Compact structure saves space
- The modular structure enables the drive mechanism position, mention when ordering to be varied
- Easy to install auxiliary contacts
- Available with terminal covers
- 1-, 2-, 3- and 4-pole
- 125-160A delivered with L=220 shaft and LK12 handle
- 200-630A delivered with LVK=228 shaft and LK14 handle

| Type          | AC-22 | 400 V              | AC-23 | 400 V  | AC-23 | 690 V  | EAN code   | E-NO    | Weight<br>kg |
|---------------|-------|--------------------|-------|--------|-------|--------|------------|---------|--------------|
|               |       | 415 V<br>690 V     |       | 415 V  |       | 690 V  |            |         |              |
|               |       | I <sub>e</sub> / A |       | P / kW |       | P / kW | 6419410... |         |              |
| <b>3-pole</b> |       |                    |       |        |       |        |            |         |              |
| VKE 3125      |       | 125 A              | 125 A | 55 kW  | 125 A | 90 kW  | ...205006  | 3635451 | 1,585        |
| VKE 3160      |       | 160 A              | 125 A | 55 kW  | 125 A | 90 kW  | ...205013  | 3635455 | 1,585        |
| <b>4-pole</b> |       |                    |       |        |       |        |            |         |              |
| VKE 4125      |       | 125 A              | 125 A | 55 kW  | 125 A | 90 kW  | ...205020  | 3635453 | 1,914        |
| VKE 4160      |       | 160 A              | 125 A | 55 kW  | 125 A | 90 kW  | ...205037  | 3635457 | 1,914        |
| <b>3-pole</b> |       |                    |       |        |       |        |            |         |              |
| VKE 3200      |       | 200 A              | 200 A | 110 kW | 200 A | 160 kW | ...280010  | 3635113 | 4            |
| VKE 3250      |       | 250 A              | 250 A | 132 kW | 250 A | 250 kW | ...280119  | 3635123 | 4            |
| <b>4-pole</b> |       |                    |       |        |       |        |            |         |              |
| VKE 4200      |       | 200 A              | 200 A | 110 kW | 200 A | 160 kW | ...280027  | 3635114 | 4,62         |
| VKE 4250      |       | 250 A              | 250 A | 132 kW | 250 A | 250 kW | ...280126  | 3635124 | 4,62         |
| <b>6-pole</b> |       |                    |       |        |       |        |            |         |              |
| VKE 6200      |       | 200 A              | 200 A | 110 kW | 200 A | 160 kW | ...280607  | 3600264 | 6,25         |
| VKE 6250      |       | 250 A              | 250 A | 132 kW | 250 A | 250 kW | ...280652  | 3600265 | 6,25         |
| <b>3-pole</b> |       |                    |       |        |       |        |            |         |              |
| VKE 3400      |       | 400 A              | 400 A | 200 kW | 400 A | 355 kW | ...280133  | 3635133 | 4,55         |
| <b>4-pole</b> |       |                    |       |        |       |        |            |         |              |
| VKE 4400      |       | 400 A              | 400 A | 200 kW | 400 A | 355 kW | ...280140  | 3635134 | 5,35         |
| <b>6-pole</b> |       |                    |       |        |       |        |            |         |              |
| VKE 6400      |       | 400 A              | 400 A | 200 kW | 400 A | 355 kW | ...280737  | 3600266 | 7,19         |
| <b>3-pole</b> |       |                    |       |        |       |        |            |         |              |
| VKE 3630      |       | 630 A              | 630 A | 355 kW | 500 A | 500 kW | ...284858  | 3635143 | 5,32         |
| <b>4-pole</b> |       |                    |       |        |       |        |            |         |              |
| VKE 4630      |       | 630 A              | 630 A | 355 kW | 500 A | 500 kW | ...280164  | 3635144 | 6,57         |
| <b>6-pole</b> |       |                    |       |        |       |        |            |         |              |
| VKE 6630      |       | 630 A              | 630 A | 355 kW | 500 A | 500 kW | ...280751  | 3600267 | 10,64        |