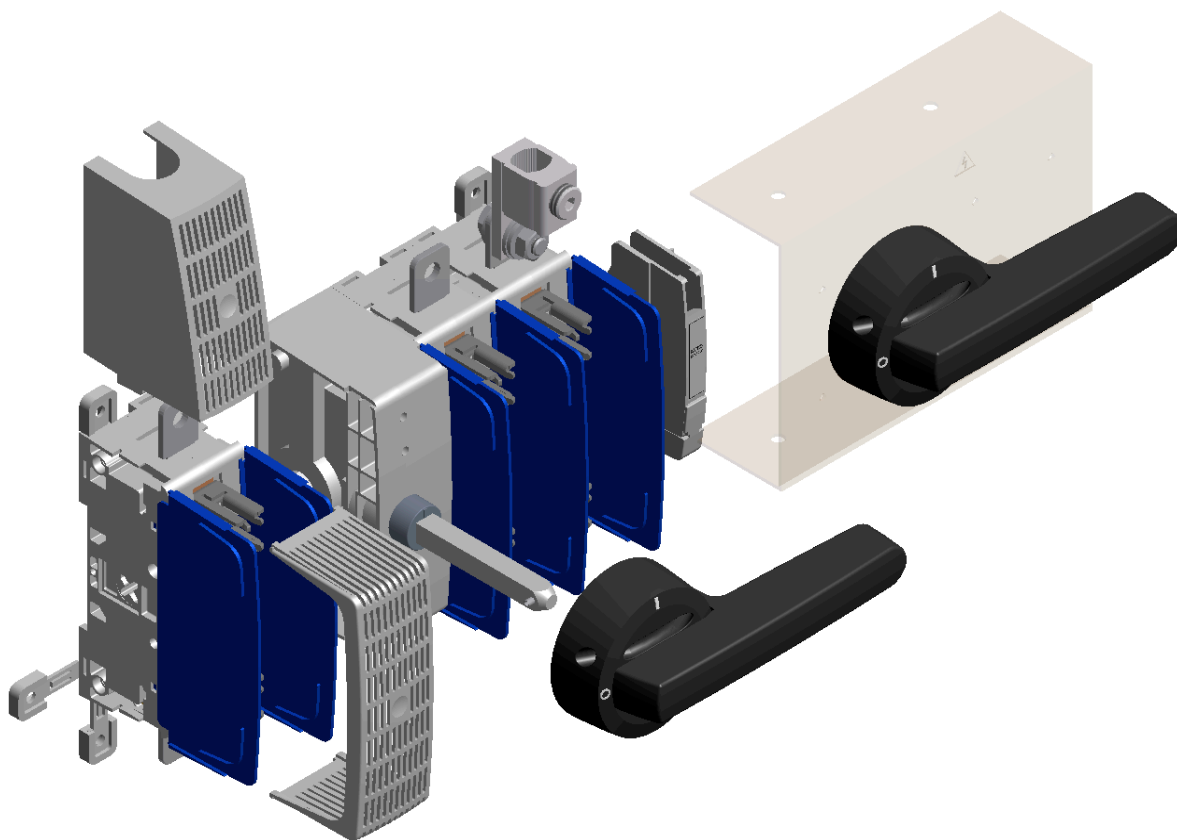


## LOAD BREAK SWITCHES 125-630 A TECHNICAL DATA FOR VKE SERIES



Structure of a modular switch fuse

| LOAD BREAK SWITCHES                                                                   |          | 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, $I_n$ [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, $I_{sc}$ [kA]                                                           |          | 50    | 25    | 50    | 50    | 50    | 50    | 50    |
| Peak value [kA]                                                                       |          | 11    | 11    | 18    | 18    | 26    | 26    | 32    |
| Rated short circuit making capacity, $I_{sm}$ [kA]                                    |          |       |       |       |       |       |       |       |
| 690V                                                                                  |          | 6     | 6     | 7     | 7     | 12    | 12    | 17    |
| Rated short time withstand current [1 s], $I_{sw}$ [kA]                               |          |       |       |       |       |       |       |       |
| 690V                                                                                  |          | 4     | 4     | 5     | 5     | 7     | 7     | 10    |
| Rated breaking capacity, $I_{bm}$ [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 |

Data subject to change without notice

Dalroad are authorised UK distributors of Katko safety switches and isolators. Contact Dalroad for further information on the Katko range on 01582 505 252 or email [sales@dalroad.com](mailto:sales@dalroad.com).