## **SIEMENS**

Product data sheet 3KD4042-0PE10-0

SWITCH-DISCONNECTOR 315A, FRAME SIZE 3, 4-POLE FRONT OPERATING LEFT COMPLETE ASSEMBLY WITH DIRECT HANDLE GREY FLAT TERMINAL



Similar to image

| General technical details:  |   |                          |  |  |
|-----------------------------|---|--------------------------|--|--|
| product brand name          |   | SENTRON                  |  |  |
| Product designation         |   | Switching device         |  |  |
| Design of the product       |   | 3KD Switch Disconnectors |  |  |
| Size of switch disconnector |   | 3                        |  |  |
| Number of poles             |   | 4                        |  |  |
| Continuous current          |   |                          |  |  |
| • rated value               | Α | 315                      |  |  |
| • at 40 °C / rated value    | Α | 315                      |  |  |
| • at 45 °C / rated value    | Α | 315                      |  |  |
| • at 50 °C / rated value    | Α | 315                      |  |  |
| • at 55 °C / rated value    | Α | 315                      |  |  |
| • at 60 °C / rated value    | Α | 315                      |  |  |
| • at 65 °C / rated value    | Α | 315                      |  |  |
| • at 70 °C / rated value    | Α | 315                      |  |  |
| at DC / rated value         | Α | 315                      |  |  |
| Operating current           |   |                          |  |  |
| • at AC-21 A                |   |                          |  |  |
| • at 400 V / maximum        | Α | 315                      |  |  |

| * at 500 V / maximum  * at 600 V / maximum  * at 600 V / maximum  * at 600 V / at 50/60 Hz / rated value / maximum  * at 600 V / at 50/60 Hz / rated value / maximum  * at 600 V / at 50/60 Hz / rated value / maximum  * at 600 V / at 50/60 Hz / rated value / maximum  * at 600 V / at 50/60 Hz / rated value / maximum  * at 600 V / at 50/60 Hz / rated value / maximum  * at 600 V / at 50/60 Hz / rated value / maximum  * at 600 V / at 50/60 Hz / rated value / maximum  * at 600 V / at 50/60 Hz / rated value / maximum  * at 600 V / at 50/60 Hz / rated value / maximum  * at 50/60 Hz / for AC / rated value  * with 3 current paths in series / with DC / rated value  * with 3 current paths in series / with DC / rated value  * with 3 current paths in series / with DC / rated value  * with 3 current paths in series / with DC / rated value  * with 3 current paths in series / with DC / rated value  * with 3 current paths in series / with DC / rated value  * with 3 current paths in series / with DC / rated value  * with 3 current paths in series / with DC / rated value  * with 3 current paths in series / with DC / rated value  * with 3 current paths in series / with DC / rated value  * with 3 current paths in series / with DC / rated value  * at 600 V / at 50/60 Hz / rated value  * at 600 V / at 50/60 Hz / rated value  * at 600 V / at 50/60 Hz / rated value  * at 600 V / maximum  * at 600 V / maximum  * at 600 V / maximum permissible  * with combination switch + gG fuse / maximum permissible  * with combination switch + gG fuse / maximum permissible  * with combination switch + gG fuse / maximum permissible  * with combination switch + gG fuse / maximum permissible  * with combination switch + gG fuse / rated value  * with 5 combination switch + gG fuse / rated value  * with 5 combination switch + gG fuse / rated value  * with 6 combination switch + gG fuse / rated value / minimum  * A  |  |      |           |
|--|--|------|-----------|
| • at AC-22 A  • at 400 V / at 50/80 Hz / rated value / maximum  • at 690 V / at 50/80 Hz / rated value / maximum  • at 690 V / at 50/80 Hz / rated value / maximum  • at 690 V / at 50/80 Hz / rated value / maximum  • at 690 V / at 50/80 Hz / rated value / maximum  • at 690 V / at 50/80 Hz / rated value / maximum  • at 690 V / at 50/80 Hz / rated value / maximum  • at 690 V / at 50/80 Hz / rated value / maximum  • at 690 V / at 50/80 Hz / rated value / maximum  • at 690 V / at 50/80 Hz / rated value / maximum  • at 50/80 Hz / for AC / rated value / maximum  • at 50/80 Hz / rated value  • v   | • at 500 V / maximum   | Α    | 315       |
| * at 400 V / at 50/60 Hz / rated value / maximum * at 500 V / at 50/60 Hz / rated value / maximum * at 690 V / at 50/60 Hz / rated value / maximum * at 600 V / at 50/60 Hz / rated value / maximum * at 600 V / at 50/60 Hz / rated value / maximum * at 600 V / at 50/60 Hz / rated value / maximum * at 600 V / at 50/60 Hz / rated value / maximum * at 600 V / at 50/60 Hz / rated value / maximum * at 600 V / at 50/60 Hz / rated value / maximum * at 600 V / at 50/60 Hz / rated value / maximum * at 600 V / at 50/60 Hz / rated value * vith 3 current paths in series / with DC / rated value * vith 3 current paths in series / with DC / rated value * vith 3 current paths in series / with DC / rated value * vith 3 current paths in series / with DC / rated value * vith 3 current paths in series / with DC / rated value * vith 3 current paths in series / with DC / rated value * vith 3 current paths in series / with DC / rated value * vith 3 current paths in series / with DC / rated value * vith 2 current paths in series / with DC / rated value * vith 2 current paths in series / with DC / rated value * vith 2 current paths in series / with DC / rated value * vith 2 current paths in series / with DC / rated value * vith 2 current paths in series / with DC / rated value * vith 2 current paths in series / vith DC / rated value * vith 2 current vith closed switch * vith combination switch + fuse * at 400 V / maximum permissible * at 600 V / maximum permissible * vith combination switch + diff use / maximum permissible * vith combination switch + diff use / maximum permissible * vith combination switch + diff use / maximum permissible * vith combination switch + diff use / maximum permissible * vith combination switch + diff use / maximum perm | • at 690 V / maximum   | Α    | 315       |
| * at 500 V / at 50/60 Hz / rated value / maximum    * at 690 V / at 50/60 Hz / rated value / maximum    * at 690 V / at 50/60 Hz / rated value / maximum    * at 690 V / at 50/60 Hz / rated value / maximum    * at 500 V / at 50/60 Hz / rated value / maximum    * at 500 V / at 50/60 Hz / rated value / maximum    * at 50/60 Hz / for AC / rated value / maximum    * at 50/60 Hz / for AC / rated value / maximum    * at 50/60 Hz / for AC / rated value    * vith 3 current paths in series / with DC / rated value    * vith 3 current paths in series / with DC / rated value    * vith 3 current paths in series / with DC / rated value    * vith 3 current paths in series / with DC / rated value    * vith 3 current paths in series / with DC / rated value    * vith 3 current paths in series / with DC / rated value    * vith 3 current paths in series / with DC / rated value    * vith 4 Cover of the value    * vith value / vith closed switch    * vith combination switch + fuse    * vith 4 cover of the value / maximum    * vith 5 Cover of the value / maximum    * vith 5 Cover of the value / maximum    * vith 5 Cover of the value / maximum    * vith combination switch + gif use / maximum    * vith combination switch + fuse    * vith combination switch + fuse    * vith combination switch + fuse    * vith combination switch + gif use / maximum permissible    * vith combination switch + gif use / maximum permissible    * vith combination switch + gif use / maximum permissible    * vith combination switch + gif use / maximum permissible    * vith combination switch + gif use / maximum permissible    * vith combination switch + gif use / maximum permissible    * vith combination switch + gif use / maximum permissible    * vith combination switch + gif use / maximum permissible    * vith combination switch + gif use / maximu | • at AC-22 A   |      |           |
| * at 690 V / at 50/60 Hz / rated value / maximum * at AC-23 A * at 400 V / at 50/60 Hz / rated value / maximum A 315 * at 500 V / at 50/60 Hz / rated value / maximum A 315 * at 50/60 Hz / rated value / maximum A 315  Operational voltage * at 50/60 Hz / rated value / maximum A 315  Operational voltage  • at 50/60 Hz / for AC / rated value • with 3 current paths in series / with DC / rated value • with 3 current paths in series / with DC / rated value • vith 3 current paths in series / with DC / rated value • vith 3 current paths in series / with DC / rated value • vith 3 current paths in series / with DC / rated value • vith 3 current paths in series / with DC / rated value • vith 2 vitage / rated value • vitage / vitage / vitage / rated value • vitage / vitage / vitage /  | • at 400 V / at 50/60 Hz / rated value / maximum                   | А    | 315       |
| • at AC-23 A • at 400 V / at 50/60 Hz / rated value / maximum • at 6900 V / at 50/60 Hz / rated value / maximum • at 6900 V / at 50/60 Hz / rated value / maximum • at 6900 V / at 50/60 Hz / rated value / maximum • at 6900 V / at 50/60 Hz / rated value / maximum • at 6900 V / at 50/60 Hz / rated value / waximum • at 50/60 Hz / for AC / rated value   V   | • at 500 V / at 50/60 Hz / rated value / maximum                   | А    | 315       |
| * at 400 V / at 50/60 Hz / rated value / maximum     * at 500 V / at 50/60 Hz / rated value / maximum     * at 690 V / at 50/60 Hz / rated value / maximum     * at 690 V / at 50/60 Hz / rated value / maximum     * at 500 V / at 50/60 Hz / rated value / waximum     * at 50/60 Hz / for AC / rated value     * vith 3 current paths in series / with DC / rated value     * vith 3 current paths in series / with DC / rated value     * vith 3 current paths in series / with DC / rated value     * vith 2 current paths in series / with DC / rated value     * vith 2 current paths in series / with DC / rated value     * vith 2 current paths in series / with DC / rated value     * vith 2 current paths in series / with DC / rated value     * vith 2 current paths in series / with DC / rated value     * vith 2 current paths in series / with DC / rated value     * vith 2 current paths in series / with Call value     * vith 2 current paths in series / with DC / rated value     * vith 2 current paths in series / with Call value     * vith 2 current paths in series / with Call value     * vith 2 current paths in series / with Call value     * vith 2 current / with closed switch     * vith combination switch + fuse     * vith combination switch + sqG fuse / maximum     * vith combination switch + fuse     * vith combination switch + fuse     * vith combination switch + sqG fuse / maximum permissible     * vith combination switch + sqG fuse / maximum permissible     * vith combination switch + sqG fuse / maximum permissible     * vith combination switch + sqG fuse / maximum permissible     * vith combination switch + sqG fuse / maximum permissible     * vith combination switch + sqG fuse / maximum permissible     * vith combination switch + sqG fuse / maximum permissible     * vith combination switch + sqG fuse / maximum permissible     * vith combination switch + sqG fuse / maximum permissible     * vith combination switch + sqG fuse / maximum permissible     * vith combination switch + sqG fuse / maximum permissible     * vith combin | • at 690 V / at 50/60 Hz / rated value / maximum                   | А    | 315       |
| • at 500 V / at 50/60 Hz / rated value / maximum  • at 690 V / at 50/60 Hz / rated value / maximum  • at 5060 Hz / for AC / rated value  • with 3 current paths in series / with DC / rated value  • with 3 current paths in series / with DC / rated value  • with 3 current paths in series / with DC / rated value  • vith 3 current paths in series / with DC / rated value  • vith 3 current paths in series / with DC / rated value  • vith 3 current paths in series / with DC / rated value  • vith 3 current paths in series / with DC / rated value  • vith 2 value / rated value  • vith 2 value / vith 50/60 Hz / rated value  • at 600 V / at 50/60 Hz / rated value  • at 600 V / at 50/60 Hz / rated value  • vith combination switch + fuse  • at 400 V / maximum  • at 500 V / maximum  • at 500 V / maximum  • at 500 V / maximum  • at 690 V  • for combination switch + gG fuse / maximum  • at 690 V  • for combination switch + sM fuse / maximum  • at 690 V  • at 400 V / maximum permissible  • at 400 V / maximum permissible  • at 400 V / maximum permissible  • at 600 V / aximum permissible  • with combination switch + sM fuse / maximum permissible  • with combination switch value / minimum  Conditional short-circuit current (icm) / for switch  disconnector / without fuse link / rated value / minimum  Conditional short-circuit current / with line-side fuse protection  • at 500 V / by gG fuse / rated value   | • at AC-23 A   |      |           |
| - at 690 V / at 50/60 Hz / rated value / maximum  A 315  Operational voltage  - at 50/60 Hz / for AC / rated value  - with 3 current paths in series / with DC / rated value  - with 3 current paths in series / with DC / rated value    Insulation voltage / rated value   Impulse voltage resistance / rated value   Impulse voltage r | • at 400 V / at 50/60 Hz / rated value / maximum                   | Α    | 315       |
| Operational voltage  • at 50/60 Hz / for AC / rated value  • with 3 current paths in series / with DC / rated value  Insulation voltage / rated value  Impulse voltage resistance / rated value  V 1,000  Impulse voltage resistance / rated value  V 1,000  VV 12  Overvoltage class  IV  Operating power / at AC-23 A  • at 400 V / at 50/60 Hz / rated value • kW 220  • at 590 V / at 50/60 Hz / rated value • kW 220  • at 690 V / at 50/60 Hz / rated value • kW 280  Izt value / with closed switch • for combination switch + fuse • at 400 V / maximum • at 590 V / maximum • for combination switch +gG fuse / maximum • for combination switch +gG fuse / maximum • for combination switch +fuse • at 400 V / maximum bermissible • at 500 V / maximum permissible • with combination switch +gG fuse / maximum permissible • with combination switch +gG fuse / maximum permissible • with combination switch +gG fuse / maximum permissible • with combination switch +gG fuse / maximum permissible • with combination switch +gG fuse / maximum permissible • with combination switch +gG fuse / maximum permissible • with combination switch +gG fuse / maximum permissible • with combination switch +gG fuse / maximum permissible • with combination switch +gG fuse / maximum permissible • with combination switch +gG fuse / maximum permissible • with combination switch +gG fuse / maximum permissible • with combination switch +gG fuse / maximum permissible • with combination switch +gG fuse / maximum permissible • with combination switch +gG fuse / maximum permissible • with combination switch +gG fuse / maximum permissible • with combination switch +gG fuse / maximum permissible • with combination switch +gG fuse / maximum permissible • with combination switch +gG  | • at 500 V / at 50/60 Hz / rated value / maximum                   | Α    | 315       |
| * at 50/60 Hz / for AC / rated value   | • at 690 V / at 50/60 Hz / rated value / maximum                   | Α    | 315       |
| with 3 current paths in series / with DC / rated value   | Operational voltage  |      |           |
| Insulation voltage / rated value   | • at 50/60 Hz / for AC / rated value                               | V    | 690       |
| Impulse voltage resistance / rated value  Overvoltage class  Operating power / at AC-23 A  • at 400 V / at 50/60 Hz / rated value • at 500 V / at 50/60 Hz / rated value • at 690 V / at 50/60 Hz / rated value  • at 690 V / at 50/60 Hz / rated value  • at 400 V / maximum • at 500 V / maximum • at 500 V / maximum • at 500 V / maximum • for combination switch +gG fuse / maximum • for combination switch +gM fuse / maximum • for combination switch +fuse • at 400 V / maximum • for combination switch +gM fuse / maximum • for combination switch +gM fuse / maximum • for combination switch +fuse • at 400 V / maximum permissible • at 500 V / maximum permissible • at 500 V / maximum permissible • at 500 V / maximum permissible • at 690 V • with combination switch +gM fuse / maximum permissible • at 690 V • with combination switch +gM fuse / maximum permissible • with combination switch +gM fuse / maximum p | • with 3 current paths in series / with DC / rated value           | V    | 440       |
| Overvoltage class  Operating power / at AC-23 A  - at 400 V / at 50/60 Hz / rated value  - at 500 V / at 50/60 Hz / rated value  - at 690 V / at 50/60 Hz / rated value  - at 400 V / maximum  - at 500 V / maximum  - at 500 V / maximum  - for combination switch +gG fuse / maximum  - for combination switch +aff tuse  - at 400 V / maximum  - at 500 V / maximum  - for combination switch +aff tuse / maximum  - for combination switch +aff tuse / maximum  - for combination switch +aff tuse / maximum  - for combination switch +fuse  - at 400 V / maximum permissible  - at 400 V / maximum permissible  - at 500 V / maximum permissible  - at 600 V  - with combination switch +gG fuse / maximum permissible  - at 600 V  - with combination switch +aff tuse / maximum permissible  - with combination switch +aff tuse / maximum permissible  - with combination switch +aff tuse / maximum permissible  - with combination switch +aff tuse / maximum permissible  - with combination switch +aff tuse / maximum permissible  - with combination switch +aff tuse / maximum permissible  - with combination switch +aff tuse / maximum permissible  - with combination switch +aff tuse / maximum permissible  - with combination switch +aff tuse / maximum permissible  - with combination switch +aff tuse / maximum permissible  - with combination switch +aff tuse / maximum permissible  - with combination switch +aff tuse / maximum permissible  - with combination switch +aff tuse / maximum permissible  - with combination switch +aff tuse / maximum permissible  - with combination switch +aff tuse / maximum permissible  - with combination switch +aff tuse / maximum permissible  - at 500 V / by gG fuse / rated value / minimum  - A2-s  - 1,165,000  - 1,1 | Insulation voltage / rated value                                   | V    | 1,000     |
| Operating power / at AC-23 A  • at 400 V / at 50/60 Hz / rated value • at 500 V / at 50/60 Hz / rated value • at 690 V / at 50/60 Hz / rated value • at 690 V / at 50/60 Hz / rated value  • at 400 V / maximum • at 500 V / maximum • at 500 V / maximum • at 500 V / maximum • for combination switch + gG fuse / maximum • for combination switch + sM fuse / maximum • for combination switch + sM fuse / maximum • for combination switch + sM fuse / maximum • for combination switch + sM fuse / maximum • for combination switch + sM fuse / maximum  • at 400 V / maximum permissible • at 400 V / maximum permissible • at 400 V / maximum permissible • at 500 V / maximum permissible • at 690 V • with combination switch + sG fuse / maximum permissible • at 500 V / maximum permissible • at 500 V / maximum permissible • with combination switch + sG fuse / maximum permissible • with combination switch + sG fuse / maximum permissible • with combination switch + sG fuse / maximum permissible • with combination switch + sG fuse / maximum permissible • with combination switch + sG fuse / maximum permissible • A 27,300 • A 27,960  Short-time current resistance (lcw) / limited to 1 s / rated value  Making capacity short-circuit current (lcm) / for switch disconnector / without fuse link / rated value / minimum  Conditional short-circuit current / with line-side fuse protection • at 500 V / by gG fuse / rated value  | Impulse voltage resistance / rated value                           | kV   | 12        |
| • at 400 V / at 50/60 Hz / rated value   | Overvoltage class  |      | IV        |
| • at 500 V / at 50/60 Hz / rated value   | Operating power / at AC-23 A                                       |      |           |
| * at 690 V / at 50/60 Hz / rated value    I2t value / with closed switch   | • at 400 V / at 50/60 Hz / rated value                             | kW   | 160       |
| Let value / with closed switch   | • at 500 V / at 50/60 Hz / rated value                             | kW   | 220       |
| • for combination switch + fuse  • at 400 V / maximum  • at 500 V / maximum  • at 690 V  • for combination switch +gG fuse / maximum  • for combination switch +aM fuse / maximum  • for combination switch +aM fuse / maximum  A²-s 1,165,000  • at 690 V  • for combination switch +aM fuse / maximum  A²-s 1,267,900  Let-through current / with closed switch  • for combination switch + fuse  • at 400 V / maximum permissible  • at 500 V / maximum permissible  • at 690 V  • with combination switch +gG fuse / maximum permissible  • with combination switch +aM fuse / maximum permissible  • with combination switch +aM fuse / maximum permissible  A 27,300  Short-time current resistance (lcw) / limited to 1 s / rated value  KA 13  Making capacity short-circuit current (lcm) / for switch disconnector / without fuse link / rated value / minimum  Conditional short-circuit current / with line-side fuse protection  • at 500 V / by gG fuse / rated value  KA 65   | • at 690 V / at 50/60 Hz / rated value                             | kW   | 280       |
| at 400 V / maximum  at 500 V / maximum  at 690 V  for combination switch +gG fuse / maximum  for combination switch +aM fuse / maximum  for combination switch +aM fuse / maximum  A2-s  1,157,500  42-s  1,267,900  Let-through current / with closed switch  for combination switch + fuse  at 400 V / maximum permissible  at 500 V / maximum permissible  at 690 V  with combination switch +gG fuse / maximum permissible  with combination switch +aM fuse / maximum permissible  with combination switch +aM fuse / maximum permissible  with combination switch +aM fuse / maximum permissible  A 27,300  Short-time current resistance (lcw) / limited to 1 s / rated value  Making capacity short-circuit current (lcm) / for switch disconnector / without fuse link / rated value / minimum  Conditional short-circuit current / with line-side fuse protection  at 500 V / by gG fuse / rated value  kA 65  | I2t value / with closed switch                                     |      |           |
| • at 500 V / maximum  • at 690 V  • for combination switch +gG fuse / maximum  • for combination switch +aM fuse / maximum  • for combination switch +aM fuse / maximum  • for combination switch +fuse  • at 400 V / maximum permissible  • at 500 V / maximum permissible  • at 690 V  • with combination switch +gG fuse / maximum permissible  • at 690 V  • with combination switch +gG fuse / maximum permissible  • with combination switch +aM fuse / maximum permissible  • A 27,300  Short-time current resistance (Icw) / limited to 1 s / rated value  Making capacity short-circuit current (Icm) / for switch disconnector / without fuse link / rated value / minimum  Conditional short-circuit current / with line-side fuse protection  • at 500 V / by gG fuse / rated value  kA 65   | • for combination switch + fuse                                    |      |           |
| • at 690 V     • for combination switch +gG fuse / maximum     • for combination switch +aM fuse / maximum     A²-s     1,157,500     • for combination switch +aM fuse / maximum     A²-s     1,267,900  Let-through current / with closed switch     • for combination switch + fuse     • at 400 V / maximum permissible     • at 500 V / maximum permissible     • at 690 V     • with combination switch +gG fuse / maximum permissible     • with combination switch +aM fuse / maximum permissible     • with combination switch +aM fuse / maximum permissible     A 27,300     Short-time current resistance (lcw) / limited to 1 s / rated value  KA 13  Making capacity short-circuit current (lcm) / for switch disconnector / without fuse link / rated value / minimum  Conditional short-circuit current / with line-side fuse protection     • at 500 V / by gG fuse / rated value  KA 65  | • at 400 V / maximum   | A²·s | 1,165,000 |
| • for combination switch +gG fuse / maximum     • for combination switch +aM fuse / maximum     • for combination switch +aM fuse / maximum     • for combination switch + fuse     • at 400 V / maximum permissible     • at 500 V / maximum permissible     • at 690 V     • with combination switch +gG fuse / maximum permissible     • with combination switch +gG fuse / maximum permissible     • with combination switch +aM fuse / maximum permissible     • A 27,300     • with combination switch +aM fuse / maximum permissible     • A 27,960  Short-time current resistance (lcw) / limited to 1 s / rated value  KA 13  Making capacity short-circuit current (lcm) / for switch disconnector / without fuse link / rated value / minimum  Conditional short-circuit current / with line-side fuse protection     • at 500 V / by gG fuse / rated value  KA 65  | • at 500 V / maximum   | A²·s | 1,165,000 |
| • for combination switch +aM fuse / maximum     A²-s     1,267,900  Let-through current / with closed switch     • for combination switch + fuse     • at 400 V / maximum permissible     • at 500 V / maximum permissible     • at 690 V     • with combination switch +gG fuse / maximum permissible     • with combination switch +aM fuse / maximum permissible     • with combination switch +aM fuse / maximum permissible     A 27,300  Short-time current resistance (lcw) / limited to 1 s / rated value  Making capacity short-circuit current (lcm) / for switch disconnector / without fuse link / rated value / minimum  Conditional short-circuit current / with line-side fuse protection     • at 500 V / by gG fuse / rated value  kA 65  | • at 690 V   |      |           |
| Let-through current / with closed switch  • for combination switch + fuse  • at 400 V / maximum permissible  • at 500 V / maximum permissible  • at 690 V  • with combination switch +gG fuse / maximum permissible  • with combination switch +aM fuse / maximum permissible  • with combination switch +aM fuse / maximum permissible  A 27,300  • with combination switch +aM fuse / maximum permissible  A 27,960  Short-time current resistance (lcw) / limited to 1 s / rated value  kA 13  Making capacity short-circuit current (lcm) / for switch disconnector / without fuse link / rated value / minimum  Conditional short-circuit current / with line-side fuse protection  • at 500 V / by gG fuse / rated value   | • for combination switch +gG fuse / maximum                        | A²·s | 1,157,500 |
| • for combination switch + fuse     • at 400 V / maximum permissible     • at 500 V / maximum permissible     • at 690 V      • with combination switch +gG fuse / maximum permissible     • with combination switch +aM fuse / maximum permissible     • with combination switch +aM fuse / maximum permissible     • With combination switc      | • for combination switch +aM fuse / maximum                        | A²·s | 1,267,900 |
| <ul> <li>at 400 V / maximum permissible</li> <li>at 500 V / maximum permissible</li> <li>at 690 V</li> <li>with combination switch +gG fuse / maximum permissible</li> <li>with combination switch +aM fuse / maximum permissible</li> <li>A 27,300</li> <li>with combination switch +aM fuse / maximum permissible</li> <li>A 27,960</li> <li>Short-time current resistance (lcw) / limited to 1 s / rated value</li> <li>kA 13</li> <li>Making capacity short-circuit current (lcm) / for switch disconnector / without fuse link / rated value / minimum</li> <li>Conditional short-circuit current / with line-side fuse protection</li> <li>at 500 V / by gG fuse / rated value</li> <li>kA 65</li> </ul>   | Let-through current / with closed switch                           |      |           |
| <ul> <li>at 500 V / maximum permissible</li> <li>at 690 V</li> <li>with combination switch +gG fuse / maximum permissible</li> <li>with combination switch +aM fuse / maximum permissible</li> <li>at 27,300</li> <li>with combination switch +aM fuse / maximum permissible</li> <li>A 27,960</li> <li>Short-time current resistance (lcw) / limited to 1 s / rated value</li> <li>kA 13</li> <li>Making capacity short-circuit current (lcm) / for switch disconnector / without fuse link / rated value / minimum</li> <li>Conditional short-circuit current / with line-side fuse protection</li> <li>at 500 V / by gG fuse / rated value</li> <li>kA 65</li> </ul>  | • for combination switch + fuse                                    |      |           |
| * at 690 V      * with combination switch +gG fuse / maximum permissible     * with combination switch +aM fuse / maximum permissible     * with combination switch +aM fuse / maximum permissible     * A 27,300      * with combination switch +aM fuse / maximum permissible     * A 27,960  Short-time current resistance (lcw) / limited to 1 s / rated value     * kA 13  Making capacity short-circuit current (lcm) / for switch disconnector / without fuse link / rated value / minimum  Conditional short-circuit current / with line-side fuse protection     * at 500 V / by gG fuse / rated value  * kA 65   | • at 400 V / maximum permissible                                   | Α    | 35,200    |
| <ul> <li>with combination switch +gG fuse / maximum permissible</li> <li>with combination switch +aM fuse / maximum permissible</li> <li>27,300</li> <li>with combination switch +aM fuse / maximum permissible</li> <li>27,960</li> <li>Short-time current resistance (lcw) / limited to 1 s / rated value</li> <li>kA</li> <li>Making capacity short-circuit current (lcm) / for switch disconnector / without fuse link / rated value / minimum</li> <li>Conditional short-circuit current / with line-side fuse protection</li> <li>at 500 V / by gG fuse / rated value</li> <li>kA</li> <li>65</li> </ul>   | • at 500 V / maximum permissible                                   | Α    | 35,200    |
| <ul> <li>with combination switch +aM fuse / maximum permissible</li> <li>Short-time current resistance (lcw) / limited to 1 s / rated value</li> <li>Making capacity short-circuit current (lcm) / for switch disconnector / without fuse link / rated value / minimum</li> <li>Conditional short-circuit current / with line-side fuse protection</li> <li>at 500 V / by gG fuse / rated value</li> <li>kA</li> <li>65</li> </ul>   | • at 690 V   |      |           |
| Short-time current resistance (lcw) / limited to 1 s / rated value   | • with combination switch +gG fuse / maximum permissible           | Α    | 27,300    |
| Making capacity short-circuit current (Icm) / for switch disconnector / without fuse link / rated value / minimum  Conditional short-circuit current / with line-side fuse protection  • at 500 V / by gG fuse / rated value  kA 65  | • with combination switch +aM fuse / maximum permissible           | Α    | 27,960    |
| disconnector / without fuse link / rated value / minimum  Conditional short-circuit current / with line-side fuse protection  • at 500 V / by gG fuse / rated value  kA 65   | Short-time current resistance (lcw) / limited to 1 s / rated value | kA   | 13        |
| • at 500 V / by gG fuse / rated value kA 65  |  | kA   | 26        |
|  | Conditional short-circuit current / with line-side fuse protection |      |           |
| • at 690 V / by gG fuse / rated value kA 35  | • at 500 V / by gG fuse / rated value                              | kA   | 65        |
|  | • at 690 V / by gG fuse / rated value                              | kA   | 35        |

| Active power loss / with conventional rated thermal current / per pole | W  | 10                            |
|--|----|-------------------------------|
| Product equipment / interlock  |    | Yes                           |
| Type of the driving mechanism / motor drive                            |    | No                            |
| Product extension / optional / motor drive                             |    | No                            |
| Design of the electrical connection / for main current circuit         |    | flat connector                |
| Type of connectable conductor cross-sections                           |    |                               |
| • for copper conductor / stranded / with lug                           |    |                               |
| according to DIN 46234   |    | 1x (6 240mm²), 2x (6 150mm²)  |
| according to DIN 46235   |    | 1x (16 185mm²), 2x (16150MM²) |
| Number of connected NC contacts / for auxiliary contacts               |    | 0                             |
| Number of connected NO contacts / for auxiliary contacts               |    | 0                             |
| Number of connected changeover contacts / for auxiliary contacts       |    | 0                             |
| Product extension / auxiliary switch                                   |    | Yes                           |
| Number of NC contacts / for auxiliary contacts                         |    | 6                             |
| Number of NO contacts / for auxiliary contacts                         |    | 6                             |
| Number of changeover contacts / for auxiliary contacts                 |    | 0                             |
| Acceptability for application / switch disconnector                    |    | Yes                           |
| Acceptability for application  |    |                               |
| emergency stop switch  |    | No                            |
| • main switch  |    | Yes                           |
| safety cut-out switch  |    | Yes                           |
| maintenance/repair switch  |    | Yes                           |
| Design of the operating mechanism                                      |    | manual operating mechanism    |
| Mounting type  |    | floor mounting                |
| Mounting type / rail mounting  |    | No                            |
| Mounting type / front mounting with 4-hole attachment                  |    | No                            |
| Mounting type / front mounting with central attachment                 |    | No                            |
| Type from device   |    | fixed mounting                |
| mounting position  |    | any                           |
| Position / of switch operating mechanism                               |    | at the left end               |
| Design of handle   |    | direct handle, grey           |
| Width  | mm | 234                           |
| Height   | mm | 164                           |
| Depth  | mm | 130.5                         |
| Protection class IP  |    | IP00                          |
| • on the front   |    | IP00                          |
| with closed switch / with cover or cable lug cover                     |    | IP20                          |
| Ambient temperature  |    |                               |
|  |    |                               |

| during operating  | °C | -25 +70     |
|---|----|-------------|
| during storage  | °C | -50 +80     |
| Degree of pollution                                     |    | 3           |
| Mechanical operating cycles as operating time / typical |    | 10,000      |
| Electrical endurance (switching cycles)                 |    |             |
| • at AC-23 A / at 690 V / at 50/60 Hz                   |    | 1,000       |
| • at DC-23 A  |    |             |
| • at 220 V  |    | 1,000       |
| • at 440 V  |    | 1,000       |
| Design of display                                       |    |             |
| • for switch position indicator manual operation        |    | ON-OFF-TEST |
| Net weight  | g  | 3,700       |
| Reference code / according to DIN EN 61346-2            |    | Q           |
| Item designation / according to DIN EN 81346-2          |    | Q           |

## Certificates/approvals:

General Product
Approval

**Declaration of Conformity** 





## **Further information:**

Information- and Downloadcenter (Catalogs, Brochures,...)

http://www.siemens.com/lowvoltage/catalogs

Industry Mall (Online ordering system)

https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3KD4042-0PE10-0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

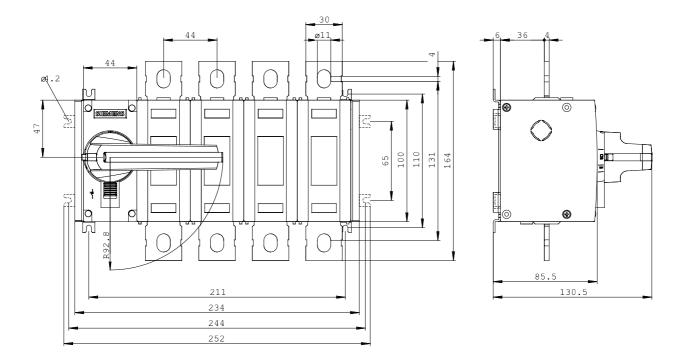
 $\underline{\text{http://support.automation.siemens.com/WW/view/en/3KD4042-0PE10-0/all}}$ 

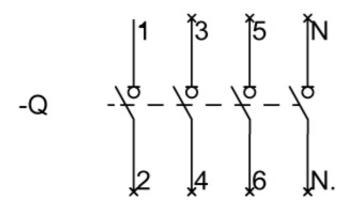
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3KD4042-0PE10-0

**CAx-Online-Generator** 

http://www.siemens.com/cax





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