# **SIEMENS**

Data sheet 3LD2122-1TL11



SENTRON, Switch disconnector 3LD, main switch, 4-pole, lu: 25 A, Operating power / at AC-23 A at 400 V: 9.5 kW, floor mounting with door coupling, knob-operated mechanism, black, 4-hole mounting of the handle

| Model   |                                   |
|---|-----------------------------------|
| product brand name  | SENTRON                           |
| product designation   | Switch disconnector               |
| design of the product   | Main switch                       |
| display version for switch position indicator manual operation                      | 1 ON - 0 OFF                      |
| type of switch  | Floor mounting with door coupling |
| design of the actuating element   | selector switch                   |
| color of the actuating element  | black                             |
| design of handle  | knob-operated mechanism, black    |
| type of the driving mechanism motor drive   | No                                |
| General technical data  |                                   |
| number of poles   | 4                                 |
| size of switch disconnector   | 2                                 |
| mechanical service life (operating cycles) typical                                  | 100 000                           |
| electrical endurance (operating cycles)   |                                   |
| • at AC-23 A at 690 V   | 6 000                             |
| operating frequency maximum   | 50 1/h                            |
| degree of pollution   | 3                                 |
| Voltage   |                                   |
| insulation voltage rated value  | 690 V                             |
| surge voltage resistance rated value  | 6 kV                              |
| operating voltage   |                                   |
| at AC rated value   | 690 V                             |
| operating frequency rated value   |                                   |
| • minimum   | 50 Hz                             |
| • maximum   | 60 Hz                             |
| Protection class  |                                   |
| protection class IP   | IP65                              |
| degree of protection NEMA rating  | 1, 3R, 4X, 12                     |
| protection class IP on the front  | IP65                              |
| Dissipation   |                                   |
| power loss [W] for rated value of the current at AC in hot operating state per pole | 1.1 W                             |
| Main circuit  |                                   |
| operational current   |                                   |
| at AC-21 at 690 V rated value   | 25 A                              |
| • at AC-21 A at 240 V rated value   | 25 A                              |
| • at AC-21 A at 400 V rated value   | 25 A                              |
| • at AC-21 A at 440 V rated value   | 25 A                              |

| Operating power  | at AC-23 A at 400 V rated value                           | 20 A    |
|--|---|---------|
| at AC-23 A at 460 V rided value 10 kW  |   | 2071    |
| a at AC 23 A at 460 V rated value at AC 33 A at 600 V rated value b at AC 33 A at 600 V rated value at AC 33 A at 600 V rated value b at AC 33 A at 600 V rated value b at AC 33 A at 600 V rated value b at AC 33 A at 600 V rated value b at AC 33 A at 600 V rated value b at AC 33 A at 600 V rated value b at AC 33 A at 600 V rated value b at AC 33 At 600 V rated value b at AC 33 At 600 V rated value b at AC 33 At 600 V rated value b at AC 33 At 600 V rated value b at AC 33 At 600 V rated value c at 600 V rated value c at 600 V rated value b at 600 V rated value c at 600          |   | 5 kW    |
| at AC-23 A at 440 V rated value by at AC-23 A at 440 V rated value can AC-33 at 260 V rated value can AC-33 at 400 V rated value can Ac-34 at 400 V rated value can Ac-35 at 400 V rated value can Ac-36 at 400 V rated           |   |         |
| # at AC-3 at 800 V rated value   |   |         |
| * alt AC-3 at 240 V rated value * at AC-3 at 500 V rated value * 7.5 kW  * at AC-3 at 500 V rated value * 7.5 kW  * author of CC contacts for auxiliary contacts 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0   |   |         |
| * at AG-3 at 400 V rated value 7.5 kW  Justinary creation  unmber of CO contacts for auxiliary contacts 0 number of NC contacts for auxiliary contact 100 V continuous current of the auxiliary contact rated value 10 A insulation votage of the auxiliary switch rated value 500 V  Sulfability  sultability for use main switch 9 sultability for use witch disconnector Yes suitability for use witch disconnector Yes suitability for use maintenance/repair switch Yes  reduct feature can be locked into OFF position Yes  reduct feature can be locked into OFF position Yes  recussories  reduct extension optional • motor drive • votage trigger No number of connectable NC contacts for auxiliary contacts attachable maximum  number of connectable NC contacts for auxiliary contacts attachable maximum  number of connectable NC contacts for auxiliary contacts attachable maximum  number of connectable NC contacts for auxiliary contacts attachable maximum  number of connectable NC contacts for auxiliary contacts attachable maximum  number of connectable NC contacts for auxiliary contacts attachable maximum  number of connectable NC contacts for auxiliary contacts attachable maximum  number of connectable NC contacts for auxiliary contacts attachable maximum  a tide NC by gG fuse rated value  lead to the bracket locks  Short circuit  conditional short-circuit current with line-side fuse protection  a tide SO V by gG fuse rated value  attack you combination switch + gG fuse maximum  a tide NC combination switch + gG fuse maximum  a tide NC combination switch + gG fuse maximum  a tide NC combination switch + gG fuse maximum  a tide NC combination switch + gG fuse maximum  a tide NC combination switch + gG fuse maximum  a tide NC combination switch + gG fuse maximum  a tide NC combination switch + gG fuse ma         |   |         |
| ** all AC-3 at 690 V rated value **  **Trimpy credit**  **Trimpy contacts for auxiliary contacts 0  **Operating voltage of auxiliary contacts at AC maximum  **Operating voltage of auxiliary contacts at AC maximum  **Operating voltage of auxiliary contact start devalue  **Store voltage of the auxiliary scritter sted value  **Trimpy credit**  **Trimpy         |   |         |
| Austillary circuit number of ICO contacts for auxiliary contacts 0 number of ICO contacts for auxiliary contacts 0 number of INO contacts for auxiliary contacts 0 continuous current of the auxiliary contact at AC maximum continuous current of the auxiliary contact rated value insulation voltage of the auxiliary contact rated value 500 V  Suitability for use main switch suitability for use witch disconnector Yes suitability for use switch disconnector Yes suitability for use switch disconnector Yes suitability for use switch of Yes suitability for use suitability for use switch of Yes suitability for use switch          |   |         |
| number of CO contacts for auxiliary contacts on unmber of NC contacts for auxiliary contacts and unmber of NC contacts for auxiliary contacts at C maximum 500 V continuous current of the auxiliary contact sated value 500 V southering or surface of the unitary contact sated value 500 V southering or surface          |   | 7.5 KVV |
| number of NC contacts for auxillary contacts number of NO contacts for auxillary contacts operating voltage of the auxillary contact rated value continuous current of the auxillary contact rated value insulation voltage of the auxillary switch rated value suitability for use main switch suitability for use switch disconnector ves suitability for use switch disconnector ves suitability for use switch disconnector ves suitability for use smitch voltage frequency suitability for use safety switch ves suitability for use safety switch ves reduct distalits product feature can be locked into OFF position ves accessories  Product distalitie product feature can be locked into OFF position notor drive voltage frigger No number of connectable NC contacts for auxillary contacts attachable maximum number of connectable NO contacts for auxillary contacts attachable maximum number of connectable NO contacts for auxillary contacts attachable maximum number of bracket locks maximum 2 hasp thickness of the bracket locks maximum at 1440 V for combination switch + g6 fuse maximum         |   | 0       |
| number of NO contacts for suxiliary contacts at A cmaximum 500 V continuous current of the auxiliary contact rated value 500 V continuous current of the auxiliary contact rated value 500 V continuous current of the auxiliary contact rated value 500 V continuous current of the auxiliary contact rated value 500 V continuous current of the auxiliary contact rated value 500 V continuous current 500 V         | -   |         |
| operating voltage of auxiliary contacts at AC maximum continuous current of the auxiliary contact rated value 500 V  Solitability suitability for use main switch suitability for use switch disconnector suitability for use safety switch No suitability for use safety switch Yes suitability for use safety switch No  |   |         |
| continuous current of the auxillary contact rated value insulation votage of the auxillary switch rated value suitability for use main switch suitability for use switch disconnector suitability for use switch disconnector suitability for use safety switch suitability switch suit         |   |         |
| Insulation voltage of the auxiliary switch rated value  Suitability for use main switch  Suitability for use switch disconnector  Yes  suitability for use safety switch  Yes  suitability for use maintenance/repair switch  Yes  Product details  Product feature can be locked into OFF position  Froduct details  Product feature can be locked into OFF position  **Oregodate tragets*  Product extension optional  **ontor drive*  **ovoltage trigger*  No  number of connectable NC contacts for auxiliary contacts statehable maximum  number of connectable NC contacts for auxiliary contacts statehable maximum  number of connectable NC contacts for auxiliary contacts statehable maximum  number of connectable OC contacts for auxiliary contacts statehable maximum  number of bracket locks maximum  2  hasp thickness of the bracket locks  **at 690 V by g6 fuse rated value  **at 690 V by g6 fuse rated value  **at 400 V for combination switch + g6 fuse maximum  **at 440 V for combination switch + g6 fuse maximum  **at 440 V for combination switch + g6 fuse maximum  **at 440 V for combination switch + g6 fuse maximum  **at 440 V for combination switch + g6 fuse maximum  **at 440 V for combination switch + g6 fuse maximum  **at 440 V for combination switch + g6 fuse maximum  **at 440 V for combination switch + g6 fuse maximum  **at 440 V for combination switch + g6 fuse maximum  **at 440 V for combination switch + g6 fuse maximum  **at 440 V for combination switch + g6 fuse maximum  **at 440 V for combination switch + g6 fuse maximum  **at 440 V for combination switch + g6 fuse maximum  **at 440 V for combination switch + g6 fuse maximum  **at 440 V for combination switch + g6 fuse maximum  **at 440 V for combination switch + g6 fuse maximum  **at 440 V for combination switch + g6 fuse maximum  **at 440 V for combination switch + g6 fuse maximum  **at 440 V for combination switch + g6 fuse maximum         |   |         |
| suitability for use switch disconnector  Yes suitability for use SMERGENCY OFF switch No suitability for use safety switch Suitability for use safety switch Suitability for use maintenance/repair switch Yes suitability for use maintenance/repair switch Yes suitability for use maintenance/repair switch Yes Product details Product details Product extension optional Indied office          | <del>-</del>  |         |
| suitability for use switch disconnector Yes suitability for use SMERCENCY OFF switch No suitability for use SMERCENCY OFF switch Yes suitability for use safety switch Yes Product details  product feature can be locked into OFF position Yes accessories  product extension optional  | ,   | 300 V   |
| suitability for use SMERGENCY OFF switch suitability for use Safety switch Yes suitability for use safety switch Yes Product feature can be locked into OFF position OFF yes Product feature can be locked into OFF yes Product feature can be position of Yes Product feature can be locked into OFF yes Product f         |   | V       |
| suitability for use Safety switch Yes suitability for use safety switch Yes suitability for use maintenance/repair switch Product feature can be locked into OFF position Product feature can be locked into OFF position Product feature can be locked into OFF position Product extension optional Indicate the motor drive pured for short-circuit protection of the main circuit required for short-circuit protection of the motor drive the motor drive galled for short-circuit protection of the motor drive drived for sho         |   |         |
| suitability for use safety switch  ves  roduct feature can be locked into OFF position  roduct stansion optional  roduct extension extension optional  roduct extension optional  roduct extension extension optional  roduct extension extension optional  roduct extension extensi         |   |         |
| suitability for use maintenance/repair switch Product details  product extension optional emotor drive voltage trigger No number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable NC contacts for auxiliary contacts attachable maximum number of pracket locks maximum 2 number of pracket locks maximum 2 namber of pracket locks maximum 2 namber of pracket locks maximum 3 number of pracket locks maximum 2 namber of pracket locks maximum 2 namber of pracket locks maximum 3 attachable maximum 3 at 480 V for combination switch + gG fuse maximum 4 the down of combination switch + gG fuse maximum 4 the down of combination switch + gG fuse maximum 4 the down of combination switch + gG fuse maximum 4 the down of combination switch + gG fuse maximum 4 the down of combination switch + gG fuse maximum 4 the down of combination switch + gG fuse maximum 4 the down of combination switch + gG fuse maximum 4 the down of combination switch + gG fuse maximum 4 the down of combination switch + gG fuse maximum 4 the down of combination switch + gG fuse maximum 4 the down of combination switch + gG fuse maximum 4 the down of combination switch + gG fuse maximum 4 the down of combination switch + gG fuse maximum 5 the down of combination switch + gG fuse maximum 4 the down of combination switch + gG fuse maximum 5 the down of combination switch + gG fuse maximum 6 the down of combination switch + gG fuse maximum 7 the down of combination switch + gG fuse maximum 8 the down of combination switch + gG fuse maximum 9 the down of combination switch + gG fuse maximum 1 the down of combination switch + gG fuse maximum 1 the down of combination switch + gG fuse maximum 1 the down of combination switch + gG         |   |         |
| Product details product feature can be locked into OFF position Yes  Accessories  product extension optional   |   |         |
| product feature can be locked into OFF position  Cocosories  remotor drive  voltage trigger  No  No  voltage trigger  No  number of connectable NC contacts for auxiliary contacts attachable maximum  number of connectable NC contacts for auxiliary contacts attachable maximum  number of connectable CO contacts for auxiliary contacts attachable maximum  number of connectable CO contacts for auxiliary contacts attachable maximum  number of cranectable CO contacts for auxiliary contacts attachable maximum  number of bracket locks maximum  2 hasp thickness of the bracket locks  No  No  No  No  No  No  No  No  No  N   |   | res     |
| product extension optional  motor drive voltage trigger number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable CO contacts for auxiliary contacts attachable maximum number of connectable CO contacts for auxiliary contacts attachable maximum 2 hasp thickness of the bracket locks maximum 2 hasp thickness of the bracket locks maximum 2 hasp thickness of the bracket locks maximum 3 hordinal short-circuit conditional short-circuit current with line-side fuse protection at 690 V by GG fuse rated value 1et-through current with closed switch at 440 V for combination switch + gG fuse maximum at 460 V for combination switch + gG fuse maximum at 460 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum by 60 S S A  50         |   | V       |
| product extension optional  motor drive voltage trigger No number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable NO contacts for auxiliary contacts attachable maximum number of connectable CO contacts for auxiliary contacts attachable maximum  number of bracket locks maximum 2 number of bracket locks maximum 3.5 hort circuit  conditional short-circuit current with line-side fuse protection • at 690 V by gG fuse rated value 60 kA  let-through current with closed switch • at 240 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum permissible  12t value with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch         | · · ·   | Yes     |
| more of connectable NC contacts for auxiliary contacts attachable maximum number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable CO contacts for auxiliary contacts attachable maximum number of connectable CO contacts for auxiliary contacts attachable maximum number of bracket locks maximum 2 namber of bracket locks maximum 3 number of bracket locks maximum 2 namber of bracket locks maximum 2 nable of bracket locks maximum 2 namber of bracket locks maximum 2 namber of bracket locks maximum 3 to find 4           |   |         |
| voltage trigger     number of connectable NC contacts for auxiliary contacts attachable maximum     number of connectable NO contacts for auxiliary contacts attachable maximum     number of connectable CO contacts for auxiliary contacts attachable maximum     number of bracket locks maximum     2     hasp thickness of the bracket locks     4 6 mm  Short circuit  conditional short-circuit current with line-side fuse protection     • at 690 V by gG fuse rated value     16t-through current with closed switch     • at 240 V for combination switch + gG fuse maximum     • at 440 V for combination switch + gG fuse maximum     • at 480 V for combination switch + gG fuse maximum     • at 440 V for combination switch + gG fuse maximum     • at 440 V for combination switch + gG fuse maximum     • at 440 V for combination switch + gG fuse maximum     • at 440 V for combination switch + gG fuse maximum     • at 440 V for combination switch + gG fuse maximum     • at 440 V for combination switch + gG fuse maximum     • at 440 V for combination switch + gG fuse maximum     • at 440 V for combination switch + gG fuse maximum     • at 450 V for combination switch + gG fuse maximum     • at 460 V for combination switch + gG fuse maximum     • at 460 V for combination switch + gG fuse maximum     • for short-circuit protection of the main circuit required     • for short-circuit protection of the auxiliary switch required     • for short-circuit protection of the auxiliary switch required     • for short-circuit protection of the auxiliary switch required     • for short-circuit protection of the auxiliary switch required     • for short-circuit protection of the auxiliary switch required     • for short-circuit protection of the auxiliary switch required     • for short-circuit protection of the auxiliary switch required     • for short-circuit protection of the auxiliary switch required     • for short-circuit pr                  | ·   | N.      |
| number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable NO contacts for auxiliary contacts attachable maximum number of connectable NO contacts for auxiliary contacts attachable maximum number of bracket locks maximum number of bracket locks maximum 2 hasp thickness of the bracket locks 4 6 mm  Short circuit  conditional short-circuit current with line-side fuse protection at 4690 V by gG fuse rated value 50 kA  let-through current with closed switch at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse max             |   |         |
| number of connectable NO contacts for auxiliary contacts attachable maximum number of connectable CO contacts for auxiliary contacts attachable maximum number of bracket locks maximum 2 hasp thickness of the bracket locks 4 6 mm Short circuit conditional short-circuit current with line-side fuse protection • at 690 V by gG fuse rated value 50 kA  let-through current with closed switch • at 240 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum permissible  lizt value with closed switch • at 240 V for combination switch + gG fuse maximum at 240 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum 4 kA2.s • at 690 V for combination switch + gG fuse maximum 4 kA2.s • at 690 V for combination switch + gG fuse maximum 4 kA2.s • at 690 V for combination switch + gG fuse maximum 4 kA2.s • at 690 V for combination switch + gG fuse maximum 5 takes 00 V for combination switch + gG fuse maximum 4 kA2.s • at 690 V for combination switch + gG fuse maximum 5 takes 00 V for combination switch + gG fuse maximum 5 takes 00 V for combination switch + gG fuse maximum 5 takes 00 V for combination switch + gG fuse maximum 6 takes 00 V for combination switch + gG fuse maximum 7 takes 00 V for combination switch + gG fuse maximum 8 takes 00 V for combination switch + gG fuse maximum 9 takes 00 V for combination switch + gG fuse maximum 9 takes 00 V for combination switch + gG fuse maximum 9 takes 00 V for combination switch + gG fuse maximum 9 takes 00 V for combination switch + gG fuse maximum 9 takes 00 V for combination switch + gG fuse maximum 9 takes 00 V for combination switch + gG fuse maximum 9 takes 00 V for combination switch + gG fuse maximum 9 takes 00 V for combination switch + gG fuse maximum 9 takes 00 V for combination switch + gG fuse maximum 9 takes 00 V for combination switch + gG fuse maximum 9 takes 00 V for combination switch + g             |   |         |
| number of connectable CO contacts for auxiliary contacts attachable maximum  number of bracket locks maximum  number of bracket locks maximum  2 hasp thickness of the bracket locks  4 6 mm  Short circuit  conditional short-circuit current with line-side fuse protection  • at 690 V by gG fuse rated value  10 t-through current with closed switch  • at 240 V for combination switch + gG fuse maximum  • at 490 V for combination switch + gG fuse maximum  • at 490 V for combination switch + gG fuse maximum  • at 490 V for combination switch + gG fuse maximum  • at 490 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 690 V for combination switch + gG fuse maximum              | attachable maximum  |         |
| attachable maximum number of bracket locks maximum 2 hasp thickness of the bracket locks 4 6 mm  Short circuit  conditional short-circuit current with line-side fuse protection • at 690 V by gG fuse rated value  let-through current with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V by gC rombination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 890 V for combination switch + gG fuse maximum • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • for short-circuit protection of the main circuit required • for short-circuit protection of the main circuit required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required operational current of upstream fuse rated value  25 A  caccording UL  operational current at AC according to UL 508/UL 60947-4-1 rated value  active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value  active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value   | attachable maximum  |         |
| hasp thickness of the bracket locks  Short circuit  conditional short-circuit current with line-side fuse protection  • at 690 V by gG fuse rated value  • at 240 V for combination switch + gG fuse maximum  • at 690 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 690 V for combination switch + gG fuse maximum  • at 690 V for combination switch + gG fuse maximum  • at 240 V for combination switch + gG fuse maximum  • at 240 V for combination switch + gG fuse maximum  • at 240 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 490 V for combination switch + gG fuse maximum  • for short-circuit protection of the main circuit required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  operational current of upstream fuse rated value  according UL  operational current at AC according to UL 508/UL 60947-4-1  rated value  active power [hp] at AC at 480 V according to UL 508/UL  60947-4-1 rated value  active power [hp] at AC at 600 V according to UL 508/UL  60947-4-1 rated value  15  |   |         |
| Conditional short-circuit current with line-side fuse protection  • at 690 V by gG fuse rated value  • at 240 V for combination switch + gG fuse maximum • at 240 V for combination switch + gG fuse maximum • at 240 V for combination switch + gG fuse maximum • at 240 V for combination switch + gG fuse maximum • at 240 V for combination switch + gG fuse maximum permissible  I2t value with closed switch • at 240 V for combination switch + gG fuse maximum • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • for short-circuit protection of the main circuit required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required operational current of upstream fuse rated value  according UL  operational current at AC according to UL 508/UL 60947-4-1 rated value  active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value  active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value  active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value   | number of bracket locks maximum                           | 2       |
| conditional short-circuit current with line-side fuse protection  • at 690 V by gG fuse rated value  10 tet-through current with closed switch  • at 240 V for combination switch + gG fuse maximum  • at 490 V for combination switch + gG fuse maximum  • at 490 V for combination switch + gG fuse maximum  • at 690 V for combination switch + gG fuse maximum  • at 240 V for combination switch + gG fuse maximum  • at 240 V for combination switch + gG fuse maximum  • at 240 V for combination switch + gG fuse maximum  • at 400 V for combination switch + gG fuse maximum  • at 690 V for combination switch + gG fuse maximum  • for short-circuit protection of the main circuit required  • for short-circuit protection of the main circuit required  • for short-circuit protection of the auxiliary switch required  operational current of upstream fuse rated value  25 A  according UL  operating voltage at AC at 50/60 Hz according to UL 508/UL  60947-4-1 rated value  active power [hp] at AC at 480 V according to UL 508/UL  60947-4-1 rated value  active power [hp] at AC at 600 V according to UL 508/UL  60947-4-1 rated value  | hasp thickness of the bracket locks                       | 4 6 mm  |
| protection   | Short circuit   |         |
| let-through current with closed switch  • at 240 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 690 V for combination switch + gG fuse maximum  • at 240 V for combination switch + gG fuse maximum  permissible  lit value with closed switch  • at 240 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 690 V for combination switch + gG fuse maximum  • for short-circuit protection of the main circuit required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  operational current of upstream fuse rated value  according UL  operational current at AC according to UL 508/UL 60947-4-1  rated value  operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value  active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value  active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value  |   |         |
| <ul> <li>at 240 V for combination switch + gG fuse maximum</li> <li>at 440 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>betti closed switch</li> <li>at 240 V for combination switch + gG fuse maximum</li> <li>at 440 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>betti closed switch</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>betti closed switch</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>betti closed switch</li> &lt;</ul> |   | 50 kA   |
| at 440 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum permissible  Izt value with closed switch at 240 V for combination switch + gG fuse maximum at 4 kA2.s at 690 V for combination switch + gG fuse maximum at 4 kA2.s at 690 V for combination switch + gG fuse maximum at 4 kA2.s  at 690 V for combination switch + gG fuse maximum at kA2.s  design of the fuse link at 600 V for short-circuit protection of the main circuit required for short-circuit protection of the auxiliary switch required fuse gL/gG: 25 A fuse gL/gG: 10 A  operational current of upstream fuse rated value according UL operational current at AC according to UL 508/UL 60947-4-1 rated value  operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value  active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value  active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value  active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value  | •   |         |
| <ul> <li>at 690 V for combination switch + gG fuse maximum permissible</li> <li>12t value with closed switch</li> <li>at 240 V for combination switch + gG fuse maximum</li> <li>at 440 V for combination switch + gG fuse maximum</li> <li>4 kA2.s</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>4 kA2.s</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>4 kA2.s</li> <li>design of the fuse link</li> <li>for short-circuit protection of the main circuit required</li> <li>fuse gL/gG: 25 A</li> <li>for short-circuit protection of the auxiliary switch required</li> <li>operational current of upstream fuse rated value</li> <li>25 A</li> <li>according UL</li> <li>operational current at AC according to UL 508/UL 60947-4-1 rated value</li> <li>operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value</li> <li>active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value</li> <li>active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value</li> </ul>  |   |         |
| Description              | _   |         |
| at 240 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum  before short-circuit protection of the main circuit required fuse gL/gG: 25 A  before short-circuit protection of the auxiliary switch required  operational current of upstream fuse rated value  operational current at AC according to UL 508/UL 60947-4-1 rated value  operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value  active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value  active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value  15   | •   | 4 kA    |
| at 440 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum  be at 690 V for combination switch + gG fuse maximum  classing of the fuse link  be for short-circuit protection of the main circuit required be for short-circuit protection of the auxiliary switch required  coperational current of upstream fuse rated value  coperational current at AC according to UL 508/UL 60947-4-1  coperating voltage at AC at 50/60 Hz according to UL 508/UL  coperating voltage at AC at 480 V according to UL 508/U          |   |         |
| at 690 V for combination switch + gG fuse maximum  design of the fuse link  for short-circuit protection of the main circuit required  fuse gL/gG: 25 A  for short-circuit protection of the auxiliary switch required  operational current of upstream fuse rated value  according UL  operational current at AC according to UL 508/UL 60947-4-1  rated value  operating voltage at AC at 50/60 Hz according to UL 508/UL  60947-4-1 rated value  active power [hp] at AC at 480 V according to UL 508/UL  60947-4-1 rated value  active power [hp] at AC at 600 V according to UL 508/UL  60947-4-1 rated value  15   |   |         |
| design of the fuse link  • for short-circuit protection of the main circuit required • for short-circuit protection of the auxiliary switch required operational current of upstream fuse rated value  25 A  according UL  operational current at AC according to UL 508/UL 60947-4-1 rated value operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value  active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value  active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value  15   |   |         |
| for short-circuit protection of the main circuit required     for short-circuit protection of the auxiliary switch required     fuse gL/gG: 25 A     for short-circuit protection of the auxiliary switch required     perational current of upstream fuse rated value  according UL  operational current at AC according to UL 508/UL 60947-4-1 rated value  operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value  active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value  active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value  15   | at 690 V for combination switch + gG fuse maximum         | 4 kA2.s |
| for short-circuit protection of the auxiliary switch required     operational current of upstream fuse rated value     according UL     operational current at AC according to UL 508/UL 60947-4-1     rated value     operating voltage at AC at 50/60 Hz according to UL 508/UL     60947-4-1 rated value     active power [hp] at AC at 480 V according to UL 508/UL     60947-4-1 rated value     active power [hp] at AC at 600 V according to UL 508/UL     60947-4-1 rated value  15  | -   |         |
| operational current of upstream fuse rated value  according UL  operational current at AC according to UL 508/UL 60947-4-1   |   |         |
| operational current at AC according to UL 508/UL 60947-4-1 rated value operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value 15   |   |         |
| operational current at AC according to UL 508/UL 60947-4-1 rated value  operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value  active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value  active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value  15   | <u> </u>  | 25 A    |
| rated value  operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value  active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value  active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value  15  | according UL  |         |
| active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value  active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value  15   | rated value   |         |
| active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value  15  | 60947-4-1 rated value                                     | 600 V   |
| 60947-4-1 rated value  |   | 10      |
| short-time withstand current (SCCR) at 600 V according to 5 kA   |   | 15      |
|  | short-time withstand current (SCCR) at 600 V according to | 5 kA    |

| UL 508/UL 60947-4-1   |   |
|---|---|
| continuous current of upstream fuse according to UL rated value       | 50 A  |
| type of fuse according to UL  | RK5   |
| Connections   |   |
| AWG number as coded connectable conductor cross section solid maximum |   |
| •   | 8   |
| •   | 14  |
| type of connectable conductor cross-sections for copper conductor     |   |
| • solid   | 1x (1,516mm²)   |
| <ul> <li>finely stranded with core end processing</li> </ul>          | 1x (1,510mm²)   |
| stranded  | 1x (1,516mm²)   |
| type of connectable conductor cross-sections for auxiliary contacts   |   |
| • solid   | lateral auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²) |
| finely stranded with core end processing                              | lateral auxiliary switch 2x (0,75 1,5mm²), 1x 2,5mm²; front auxiliary switch 1x 2,5mm²      |
| • stranded  | lateral auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²) |
| type of electrical connection   |   |
| for main current circuit  | box terminal  |
| <ul> <li>for auxiliary contacts</li> </ul>                            | connection terminals  |
| Mechanical Design   |   |
| height  | 71 mm   |
| width   | 49 mm   |
| depth   | 85.5 mm   |
| type of device  | fixed mounting  |
| fastening method  | Built-in unit fixed-mounted version   |
| fastening method  |   |
| <ul> <li>4-hole front mounting</li> </ul>                             | Yes   |
| <ul> <li>front mounting with central attachment</li> </ul>            | No  |
| rail mounting   | Yes   |
| net weight  | 214 g   |
| Environmental conditions  |   |
| ambient temperature during operation                                  |   |
| • minimum   | -25 °C  |
| • maximum   | 55 °C   |
| ambient temperature during storage                                    |   |
| • minimum   | -25 °C  |
| • maximum   | 55 °C   |
| Approvals Certificates  |   |

### **General Product Approval**

Confirmation









Miscellaneous

General Product Approval

**Test Certificates** 

Marine / Shipping

other

Environment

EHC

Type Test Certificates/Test Report



Confirmation

Miscellaneous



Environment

**Environmental Con-**

**Environmental Con-**

#### Information on the packaging

com/cs/ww/en/view/109813875

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

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

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3LD2122-1TL11

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

https://support.industry.siemens.com/cs/ww/en/ps/3LD2122-1TL11

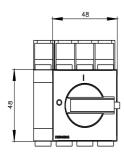
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3LD2122-1TL11">http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3LD2122-1TL11</a>

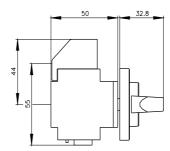
**CAx-Online-Generator** 

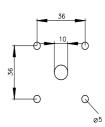
http://www.siemens.com/cax

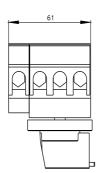
**Tender specifications** 

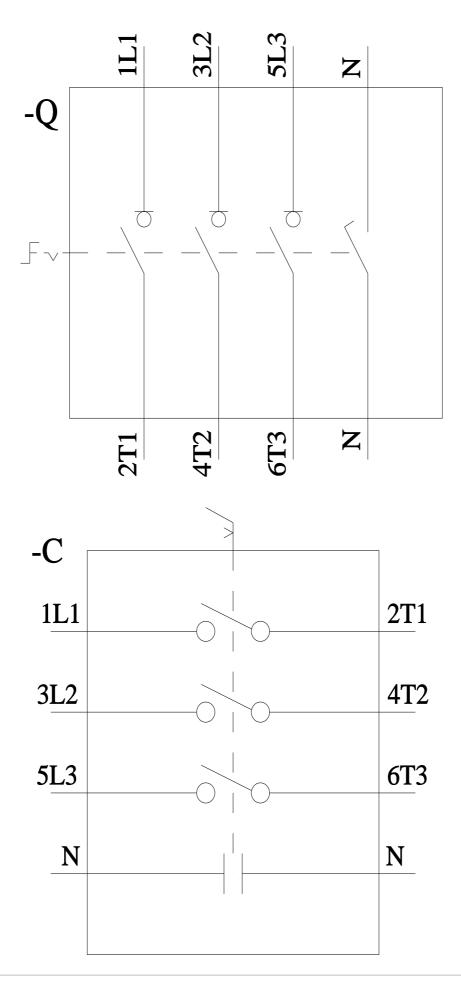
http://www.siemens.com/specifications











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