SIEMENS

Data sheet

3LD2530-0TK13



SENTRON, Switch disconnector 3LD, emergency switching-off switch, 3- pole, lu: 63 A, operating power / at AC-23 A 400 V: 22 kW, installation in distribution boards, knob-operated mechanism, Red / yellow, handle direct at the switch

| Model | |
|---|-------------------------------------|
| product brand name | SENTRON |
| product designation | Switch disconnector |
| design of the product | EMERGENCY-STOP switch |
| display version for switch position indicator manual operation | 1 ON - 0 OFF |
| type of switch | DIN-rail mounting |
| design of the actuating element | selector switch |
| color of the actuating element | red |
| design of handle | knob-operated mechanism, red/yellow |
| type of the driving mechanism motor drive | No |
| General technical data | |
| number of poles | 3 |
| size of switch disconnector | 3 |
| 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 | IP40 |
| protection class IP on the front | IP40 |
| Dissipation | |
| power loss [W] for rated value of the current at AC in hot operating state per pole | 4.5 W |
| Main circuit | |
| operational current | |
| • at AC-21 at 690 V rated value | 63 A |
| • at AC-21 A at 240 V rated value | 63 A |
| • at AC-21 A at 400 V rated value | 63 A |
| • at AC-21 A at 440 V rated value | 63 A |
| • at AC-23 A at 400 V rated value | 43 A |
| operating power | |

Page 1/6

| a) AL-221A alt 240 V finite value a) AL-223A at 240 V rates value a) AL-23A at 240 V rates value a) AL-23A at 240 V rates value b) WW a) AL-23 at 240 V rates value b) WW a) AL-23 at 240 V rates value b) WW a) AL-23 at 240 V rates value b) WW a) AL-23 at 240 V rates value b) WW a) AL-23 at 240 V rates value b) WW a) AL-23 at 240 V rates value b) WW a) AL-23 at 240 V rates value b) WW a) AL-23 at 260 V rates value b) WW a) AL-23 at 260 V rates value b) WW a) AL-23 at 260 V rates value b) WW a) AL-23 at 260 V rates value c) Contracts for availage contracts c) Contracts for availage contracts c) Contracts for availage contracts c) Contracts for availage contract at 20 C maxmund c) WW c) All AL-24 at 240 V rates value c) All AL-240 V rates value d) All AL-240 V rates value | | |
|---|---|------------------|
| extra AC-23 A str440 Vinted value 10 kW extr AC-23 A str440 Vinted value 10 kW extr AC-23 at 240 Vinted value 10 kW Axuitary circuit 0 number of Co contacts for axuitary contacts 0 contracts for axuitary contacts 0 operating voltage of axuitary contacts at AC maxmum 500 V continues correct for axuitary contacts at AC maxmum 500 V continues correct for axuitary contacts 0 extendition voltage of the axuitary contacts 500 V extendition voltage of the axuitary contacts 500 V extendition voltage of the axuitary contacts Vels product develsion optional No extendition region of the axuitary contacts 0 extendition region of the axuitary contacts 0 | • at AC-23 A at 240 V rated value | 11 kW |
| at AC23 At BBOV value 19 kW at AC23 at 240 V raded value 19 kW at AC3 at 240 V raded value 19 kW at AC3 at 260 V raded value 19 kW at AC3 at 800 V raded value 19 kW Autiling rector 0 number of Constate for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 operating values of auxiliary contact at AC maximum 00 V contracts of auxiliary contact at AC maximum 00 V contracts of auxiliary contact at AC maximum 00 V contracts of auxiliary contact at AC maximum 00 V suitability for use | | |
| • al AC-3 at 240 V rade value 11 kW • al AC-3 at 800 V rade value 15 kW • al AC-3 at 800 V rade value 15 kW Auxiliary consult 0 number of CO contacts for auxiliary contacts 0 operating value of auxiliary contacts 0 operating value of auxiliary contacts 0 operating value of auxiliary contact rate value 10 A insulation values of the auxiliary contact rate value 10 A insulation values of the auxiliary contact rate value 10 A insulation values of the auxiliary contact rate value 10 A insulation values of the auxiliary contact rate value 10 A insulation values of the auxiliary contact rate value 10 A insulation values of the auxiliary contact rate value 10 A insulation values of the auxiliary contacts 10 insulation rate value 10 A insulation rate value 10 A insulation opticnal Yes product details Yes product details No insulation opticnal No insulation opticnal 10 insulation opticnal 10 attachable maximum 2 number of one contacts for auxiliary contacts 10 attachable maximum 2 | at AC-23 A at 440 V rated value | 22 kW |
| • at AC3 at 400 Y rade value 15 kW Auxiliary cross 0 number of Coortacks for auxiliary contacts 0 operating values of auxiliary contacts at AC maximum 00 V contacts of auxiliary contact at AC maximum 00 V contacts of auxiliary contact at AC maximum 00 V contacts of auxiliary contact at AC maximum 00 V contacts of auxiliary contact at AC maximum 00 V contacts of auxiliary contact net value 00 V subtability Subtability subtability Subtability subtability Vesi • main switch Yes • auxith disconnector Yes • auxith disconnector pair which Yes • auxith disconnector pair which Yes • auxith disconnector pair which Yes • auxith disconnector for auxiliary contacts 2 reduct satures on blocked inthe OFF position Yes • auxith disconnector for auxiliary contacts 2 reduct satures on blocked inthe OFF position 2 reduct satures on blocked inth OFF position 2 reduct sat | at AC-23 A at 690 V rated value | 19 kW |
| • at AC3 at 630 V rated value 15 kW Auxiliary cleant 0 number of CO contack for auxiliary contacts 0 ontaction of NC contack for auxiliary contacts 0 operating voltage of auxiliary contact at AC maximum 500 V operating voltage of auxiliary contact at et Auxiliary 500 V stability for use 0 • mains writin Vels • mains writin Vels • mains writin Vels • awath discontedor Vels • awath discontedor for auxiliary contacts 1 • awath discontedor for auxiliary contacts 1 • awath discontedor for auxiliary contacts 1 • awath discot for auxiliary contacts 1 <td> at AC-3 at 240 V rated value </td> <td>11 kW</td> | at AC-3 at 240 V rated value | 11 kW |
| Auxiliary seriod: Initiation of CO contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 | at AC-3 at 400 V rated value | 19 kW |
| number of CC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 operating voltage of auxiliary contacts at A a maximum 500 V operating voltage of auxiliary contacts at A a auxiliary contact at at auxiliary souther stock volue 500 V subtability for use 500 V • main switch Yes • safety switch Yes • safety switch Yes • safety switch Yes • safety switch Yes • main switch Yes • safety switch Yes • maintenance/reparts witch Yes Product details Yes product details No • woltage tragger No • notor drive No • a data brief constructs for auxiliary contacts 2 number of constructs for auxiliary contacts 2 number of bracket locks maximum 4 attacts to for auxi | • at AC-3 at 690 V rated value | 15 kW |
| number of NC contacts for auxiliary contacts 0 number of NO contacts for auxiliary contacts at AC maximum 500 V continuous current of the auxiliary contacts at AC maximum 500 V Subability 10 A subability for une 9 • main switch Yes • subability for une Yes • subtle disconnector Yes • subtle disconnector Yes • subtle disconnector Yes • main switch Yes • main switch Yes • main switch Yes • mainternocringal switch Yes • costage into drive No • mother drive No • mother drive No • mother drive No • number of conscatts for auxiliary contacts 4 attactable maximum 2 • number of conscatts for auxiliary contacts 4 attactable maximum 2 • attactable maximum 2 • attactable maximum 2 • attado V for combination switch + gG fuse maximum 6 k | Auxiliary circuit | |
| number of NO contacts for auxiliary contacts 0 operating voltage of auxiliary contacts at AC maximum 500 V continuous current of the auxiliary contact rated value 500 V submitting outgate of the auxiliary solution rated value 500 V submitting outgate of the auxiliary solution rated value 500 V submitting outgate of the auxiliary solution rated value 500 V submitting outgate of the auxiliary solution rated value 500 V submitting outgate of the auxiliary solution rated value 500 V submitting outgate of the auxiliary solution rated value 500 V submitting outgate of the auxiliary solution rated value 500 V submitting outgate of the auxiliary solution rated value 500 V product detains Yes submitting outgate of the auxiliary solution rated value 7 product detains Submitting outgate 8 auxiliary bit maximum No No number of connectable for auxiliary contacts 4 4 auxiliary bit maximum 2 1 number of connectable for auxiliary contacts 4 6 number of connectable for auxiliary contact | number of CO contacts for auxiliary contacts | 0 |
| operating veltage of auxiliary contacts at AC maximum 900 V continuous current of the auxiliary contact and value 10 A imulation veltage of the auxiliary switch neted value 500 V Suitability of use • • main switch Yes • suitability for use • • main switch Yes • suitability for use • • main switch Yes • asity switch Yes • main concentration of the use of the auxiliary contacts Ves product feature can be locked into OFF position Yes product feature can be locked into OFF position Yes instance table in the operation optional • • motor drive No | number of NC contacts for auxiliary contacts | 0 |
| continuous current of the auxiliary contact rated value 10.A insulation voltage of the auxiliary switch rated value 500 V suitability | number of NO contacts for auxiliary contacts | 0 |
| Institution voltage of the auxiliary switch rated value 500 V Statishity • main switch Yes • work in disconnector Yes • switch disconnector Yes • main switch Yes • switch disconnector Yes • main smitch Yes • main smitch Yes • main smitch Yes • main smitch Yes • moder can be located into CFF position Yes statestands name product extension optional No • motor drive No • attachable maximum 2 hashable maximum 2 hashable maximum 2 hashable maximum 2 hashab | operating voltage of auxiliary contacts at AC maximum | 500 V |
| Suitability suitability for use • main switch Yes • EMERGENCY OFF switch Yes • EMERGENCY OFF switch Yes • maintenance/repair switch Yes Product feature can be looked into OFF position Yes product feature can be looked into OFF position Yes sccssories product scalars product scalars can be looked into OFF position Yes accssories No • wilding effiger No • unitage figer No number of connectable NC contacts for auxiliary contacts 2 attachable maximum 2 number of connectable NC contacts for auxiliary contacts 0 attachable maximum 2 reader looks maximum 2 reader looks maximum 2 stabchable maximum 2 reader looks maximum 2 stabchable maximum 2 reader looks maximum 6 kA et after congluter with closed switch 6 lase maximum et after congluterent with closed switch 2 lase maximum | continuous current of the auxiliary contact rated value | 10 A |
| suitability for use | insulation voltage of the auxiliary switch rated value | 500 V |
| • min switchYes• witch disconnectorYes• witch disconnectorYes• witch disconnectorYes• witch anacotripati switchYesProduct detailsYesproduct feature can be locked into OFF positionYesProduct detailsNo• witch get figgerNo• witch dive figgerNo• witch get figgerNo• witch get figgerNo• witch dive figgerNo | Suitability | |
| | suitability for use | |
| • EMERGENCY OFF switchYes• safety switchYesProduct detailsYesProduct detailsYesproduct feature can be looked into OFF positionYesproduct extension optionalNo• notor driveNo• notore databable maximum2• number of connectable IOC contacts for auxiliary contacts0• attachable maximum2• nabap thickness of the bracket locks4 6 mm• attachable maximum5 kA• et al.40 V for combination switch + 9G fuse maximum6 kA• at 40 V for combination switch + 9G fuse maximum6 kA• at 40 V for combination switch + 9G fuse maximum6 kA• at 400 V for combination switch + 9G fuse maximum21 kA2.s• at 400 V for combination switch + 9G fuse maximum21 kA2.s• at 400 V for combination switch + 9G fuse maximum21 kA2.s• at 600 V for combination switch + 9G fuse maximum21 kA2.s• at 600 V for combination switch + 9G fuse maximum21 kA2.s• at 6 | main switch | Yes |
| • safety switch Yes • naintenance/repail switch Yes Product defaulter can be locked into OFF position Yes accessories Integration optional • endor drive No • ontor drive No • wordsge trigger No • number of connectable NC contacts for auxiliary contacts 2 attachable maximum 1 number of connectable NC contacts for auxiliary contacts 4 attachable maximum 2 number of connectable NC contacts for auxiliary contacts 1 attachable maximum 2 number of connectable NC contacts for auxiliary contacts 4 attachable maximum 2 name of connectable NC contacts for auxiliary contacts 4 attachable maximum 2 hasp thickness of the bracket locks 4 et action 5 et attachable maximum 6 kA et attachable maximum 6 kA et attact V for combination switch + gG fuse maximum 6 kA et attact V for combination switch + gG fuse maximum 21 kA2.s et attact V for combination switch + gG fuse maximum 21 kA2.s et attact V for combination switch + gG fuse maximum 21 kA2.s et attact V for combination switch + gG fuse maximum | switch disconnector | Yes |
| • maintenance/repair switch Yes Product details Ves accessories Product extension optional No • endor drive No No • voltage trigger No No number of connectable NC contacts for auxiliary contacts 2 - attachable maximum 4 - number of connectable NO contacts for auxiliary contacts 0 - number of connectable CO contacts for auxiliary contacts 0 - number of connectable CO contacts for auxiliary contacts 0 - number of connectable CO contacts for auxiliary contacts 0 - number of connectable CO contacts for auxiliary contacts 0 - number of bracket locks maximum 2 - - number of connectable CO contacts for auxiliary contacts - - - - retter of bracket locks maximum 2 - - - - - - - - - - - - - - - - - - <td>EMERGENCY OFF switch</td> <td>Yes</td> | EMERGENCY OFF switch | Yes |
| • maintenance/repair switch Yes Product details Ves accessories Product extension optional No • endor drive No No • voltage trigger No No number of connectable NC contacts for auxiliary contacts 2 - attachable maximum 4 - number of connectable NO contacts for auxiliary contacts 0 - number of connectable CO contacts for auxiliary contacts 0 - number of connectable CO contacts for auxiliary contacts 0 - number of connectable CO contacts for auxiliary contacts 0 - number of connectable CO contacts for auxiliary contacts 0 - number of bracket locks maximum 2 - - number of connectable CO contacts for auxiliary contacts - - - - retter of bracket locks maximum 2 - - - - - - - - - - - - - - - - - - <td></td> <td></td> | | |
| Product feature can be locked into OFF position Yes accessories | - | |
| product feature can be locked into OFF position Yes product stemsion optional • • motor drive • • voltage trigger No number of connectable NC contacts for auxiliary contacts 2 attachable maximum 2 number of connectable NC contacts for auxiliary contacts 4 attachable maximum 2 number of connectable CO contacts for auxiliary contacts 0 attachable maximum 2 number of bracket locks maximum 2 hasp thichness of the bracket locks 4 6 mm Short circuit 50 kA ettothoug current with line-side fuse protection 6 kA • at 680 V by gG fuse maximum 6 kA • at 400 V for combination switch + gG fuse maximum 6 kA • at 400 V for combination switch + gG fuse maximum 6 kA • at 400 V for combination switch + gG fuse maximum 6 kA • at 400 V for combination switch + gG fuse maximum 21 kA2.s ettabelie 6 fuse maximum 21 kA2.s ettabelie 6 fuse maximum 21 kA2.s it 400 V for combination swit | | |
| seccessories product extension optional No • indird drive No • oldage trigger No number of connectable NC contacts for auxiliary contacts 2 attachable maximum 2 number of connectable CO contacts for auxiliary contacts 4 attachable maximum 0 number of connectable CO contacts for auxiliary contacts 0 attachable maximum 2 number of connectable CO contacts for auxiliary contacts 0 attachable maximum 2 hasp thickness of the bracket locks maximum 2 eat 600 V by GG fuse rated value 50 kA let-through current with line-side fuse maximum 6 kA • at 440 V for combination switch + gG fuse maximum 6 kA • at 440 V for combination switch + gG fuse maximum 6 kA • at 440 V for combination switch + gG fuse maximum 6 kA • at 440 V for combination switch + gG fuse maximum 21 kA2.s it 440 V for combination switch + gG fuse maximum 21 kA2.s • at 400 V for combination switch + gG fuse maximum 21 kA2.s it etab value 60 A feesign of the tuse link fuse gL/gG: 63 A • for short-circuit protection of the main circuit required fuse gL/gG: 61 0 A operational current at AC a | | Yes |
| product extension optional No • motor drive No • workage trigger No number of connectable NC contacts for auxiliary contacts 2 attachable maximum 4 interf of connectable OC contacts for auxiliary contacts 4 attachable maximum 0 number of connectable CO contacts for auxiliary contacts 0 attachable maximum 2 number of bracket locks maximum 2 hasp thickness of the bracket locks 4 6 mm Short circuit current with line-side fuse protection 50 kA et 800 V by gG fuse rated value 50 kA let-through current with closed switch 6 kA et 440 V for combination switch + gG fuse maximum 6 kA et 440 V for combination switch + gG fuse maximum 6 kA et 440 V for combination switch + gG fuse maximum 6 kA et 440 V for combination switch + gG fuse maximum 6 kA et 440 V for combination switch + gG fuse maximum 14 kA2 s et 440 V for combination switch + gG fuse maximum 21 kA2 s et 640 V for combination switch + gG fuse maximum 21 kA2 s | · · · | |
| • motor drive No • voltage trigger No number of connectable NC contacts for auxiliary contacts 2 attachable maximum 2 number of connectable NO contacts for auxiliary contacts 4 number of connectable CO contacts for auxiliary contacts 4 number of connectable CO contacts for auxiliary contacts 0 number of connectable CO contacts for auxiliary contacts 0 number of connectable CO contacts for auxiliary contacts 0 number of bracket locks 4 number of connectable CO contacts for auxiliary contacts 0 number of connectable CO contacts for auxiliary contacts 0 number of connectable CO contacts for auxiliary contacts 0 attachable maximum 2 hasp thickness of the bracket locks 4 conditional short-circuit current with line-side fuse protection 0 kA et at 00 V for combination switch + gG fuse maximum 6 kA et at 40 V for combination switch + gG fuse maximum 21 kA2 s et at 40 V for combination switch + gG fuse maximum 21 kA2 s et at 40 V for combination switch + gG fuse maximum 21 kA2 s et at 40 V for combination switch + gG fuse maximum 21 kA2 s et at 40 V for combination switch + gG fuse maximum 21 kA2 s et at 60 V for combi | | |
| • voltage trigger No number of connectable NC contacts for auxiliary contacts 2 attachable maximum 2 number of connectable CO contacts for auxiliary contacts 4 attachable maximum 0 number of bracket locks maximum 2 hasp thickness of the bracket locks 4 6 mm Short circuit 2 conditional short-circuit current with line-side fuse protection 6 kA et 400 V by gG fuse rated value 50 kA let-through current with closed switch 6 kA et 440 V for combination switch + gG fuse maximum 6 kA et 440 V for combination switch + gG fuse maximum 6 kA et 440 V for combination switch + gG fuse maximum 21 kA2.s et 440 V for combination switch + gG fuse maximum 21 kA2.s et 440 V for combination switch + gG fuse maximum 21 kA2.s et 480 V for combination switch + gG fuse maximum 21 kA2.s et 480 V for combination switch + gG fuse maximum 21 kA2.s et 480 V for combination switch + gG fuse maximum 21 kA2.s et 480 V for combination switch + gG fuse maximum 21 kA2.s et 860 V f | | No |
| number of connectable NC contacts for auxiliary contacts 2 attachable maximum 4 number of connectable NC contacts for auxiliary contacts 4 attachable maximum 0 number of bracket locks maximum 2 hasp thickness of the bracket locks 4 6 mm Short circuit 50 kA conditional short-circuit current with line-side fuse protection 50 kA et 4690 V by gG fuse rated value 50 kA let-through current with closed switch 6 kA et 440 V for combination switch + gG fuse maximum 6 kA et 440 V for combination switch + gG fuse maximum 6 kA et 440 V for combination switch + gG fuse maximum 21 kA2.s et 440 V for combination switch + gG fuse maximum 21 kA2.s et 440 V for combination switch + gG fuse maximum 21 kA2.s et 440 V for combination switch + gG fuse maximum 21 kA2.s et 600 V for combination switch + gG fuse maximum 21 kA2.s et 600 V for combination switch + gG fuse maximum 21 kA2.s et 600 V for combination switch + gG fuse maximum 21 kA2.s et 600 V for combination switch + gG fuse maximum 6 kA et 600 V for combination switch + gG fuse | | |
| attachable maximum 4 number of connectable NO contacts for auxiliary contacts 4 number of connectable CO contacts for auxiliary contacts 0 number of bracket locks maximum 2 hasp thickness of the bracket locks 4 6 mm Short circuit 50 kA conditional short-circuit current with line-side fuse protection 50 kA e at 690 V by gG fuse rated value 50 kA let-through current with closed switch 6 kA e at 240 V for combination switch + gG fuse maximum 6 kA e at 690 V for combination switch + gG fuse maximum 6 kA i at 240 V for combination switch + gG fuse maximum 6 kA e at 690 V for combination switch + gG fuse maximum 6 kA e at 690 V for combination switch + gG fuse maximum 21 kA2.s e at 690 V for combination switch + gG fuse maximum 21 kA2.s design of the fuse link fuse gL/gG: 63 A i for short-circuit protection of the maximum 21 kA2.s operational current of upstream fuse rated value 63 A according UL 600 V operational current at AC according to UL 508/UL 60947-4-1 63 A according UL 600 V | | |
| attachable maximum 0 number of connectable CO contacts for auxiliary contacts 0 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 6 kA e at 690 V by QG fuse rated value 50 kA let-through current with closed switch 6 kA e at 240 V for combination switch + gG fuse maximum 6 kA e at 240 V for combination switch + gG fuse maximum 6 kA e at 690 V for combination switch + gG fuse maximum 21 kA2.s izt value with closed switch 21 kA2.s e at 600 V for combination switch + gG fuse maximum 21 kA2.s e at 640 V for combination switch + gG fuse maximum 21 kA2.s e at 640 V for combination switch + gG fuse maximum 21 kA2.s e at 640 V for combination switch + gG fuse maximum 21 kA2.s e at 640 V for combination switch + gG fuse maximum 21 kA2.s e at 640 V for combination switch + gG fuse maximum 21 kA2.s e at 650 V for combination switch + gG fuse maximum 21 kA2.s e at 630 V for combination switch + gG fuse maximum 21 kA2.s e at 630 V for combination switch + gG | attachable maximum | |
| attachable maximum 2 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 680 V by QG fuse rated value 50 kA let-through current with closed switch 6 kA • at 240 V for combination switch + gG fuse maximum 6 kA • at 690 V for combination switch + gG fuse maximum 6 kA • at 640 V for combination switch + gG fuse maximum 6 kA • at 240 V for combination switch + gG fuse maximum 6 kA • at 240 V for combination switch + gG fuse maximum 21 kA2.s • at 240 V for combination switch + gG fuse maximum 21 kA2.s • at 440 V for combination switch + gG fuse maximum 21 kA2.s • at 440 V for combination switch + gG fuse maximum 21 kA2.s • at 690 V for combination switch + gG fuse maximum 21 kA2.s • at 690 V for combination switch + gG fuse maximum 21 kA2.s • at 690 V for combination switch + gG fuse maximum 21 kA2.s • at 690 V for combination switch + gG fuse maximum 21 kA2.s • at 690 V for combination switch + gG fuse maximum 21 kA2.s • of short-circuit protection of the auxil | attachable maximum | |
| 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 6 kA • at 240 V for combination switch + gG fuse maximum 6 kA • at 240 V for combination switch + gG fuse maximum 6 kA • at 690 V for combination switch + gG fuse maximum 6 kA • at 240 V for combination switch + gG fuse maximum 6 kA • at 240 V for combination switch + gG fuse maximum 21 kA2.s • at 240 V for combination switch + gG fuse maximum 21 kA2.s • at 490 V for combination switch + gG fuse maximum 21 kA2.s • at 690 V for combination switch + gG fuse maximum 21 kA2.s design of the fuse link 1 fuse gL/gG: 63 A • for short-circuit protection of the main circuit required fuse gL/gG: 10 A operational current of upstream fuse rated value 63 A according UL 600 V operational current at AC according to UL 508/UL 60947-4-1 63 A active power (hp) at AC at 480 V according to UL 508/UL 60947-40 40 4-1 rated value 600 V active power (hp) at AC at 480 V according to UL 508/UL | attachable maximum | |
| 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 6 kA • at 440 V for combination switch + gG fuse maximum 6 kA • at 440 V for combination switch + gG fuse maximum 6 kA • at 440 V for combination switch + gG fuse maximum 6 kA • at 420 V for combination switch + gG fuse maximum 21 kA2.s • at 440 V for combination switch + gG fuse maximum 21 kA2.s • at 440 V for combination switch + gG fuse maximum 21 kA2.s • at 440 V for combination switch + gG fuse maximum 21 kA2.s • at 490 V for combination switch + gG fuse maximum 21 kA2.s • at 690 V for combination switch + gG fuse maximum 21 kA2.s • at 690 V for combination switch + gG fuse maximum 21 kA2.s • design of the fuse link • for short-circuit protection of the main circuit required fuse gL/gG: 63 A • for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A operational current at AC according to UL 508/UL 60947-4-1 rated value 63 A according UL 600 V 600 V operational current at AC at 20/60 Hz according to UL 508/UL 60947-4-1 63 A< | | |
| conditional short-circuit current with line-side fuse protection 50 kA let-through current with closed switch 50 kA let-through current with closed switch 6 kA • at 240 V for combination switch + gG fuse maximum 6 kA • at 440 V for combination switch + gG fuse maximum 6 kA • at 440 V for combination switch + gG fuse maximum 6 kA • at 240 V for combination switch + gG fuse maximum 6 kA • at 240 V for combination switch + gG fuse maximum 21 kA2.s value with closed switch 21 kA2.s • at 240 V for combination switch + gG fuse maximum 21 kA2.s • at 490 V for combination switch + gG fuse maximum 21 kA2.s • at 690 V for combination switch + gG fuse maximum 21 kA2.s design of the fuse link fuse gL/gG: 63 A • for short-circuit protection of the maxiliary switch required fuse gL/gG: 10 A operational current at AC accoording to UL 508/UL 60947-4-1 63 A rated value 63 A operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 60 V 6000 V 6000 V 60947-4-1 rated value 60 V active power [hp] at AC at 480 V according to UL 508/UL 60947- 40 | · | 4 6 mm |
| • at 690 V by gG fuse rated value50 kAlet-through current with closed switch6 kA• at 240 V for combination switch + gG fuse maximum6 kA• at 440 V for combination switch + gG fuse maximum6 kA• at 690 V for combination switch + gG fuse maximum6 kA• at 240 V for combination switch + gG fuse maximum6 kA• at 240 V for combination switch + gG fuse maximum21 kA2.slet value with closed switch21 kA2.s• at 440 V for combination switch + gG fuse maximum21 kA2.s• at 440 V for combination switch + gG fuse maximum21 kA2.s• at 690 V for combination switch + gG fuse maximum21 kA2.s• at 690 V for combination switch + gG fuse maximum21 kA2.s• at 690 V for combination switch + gG fuse maximum21 kA2.s• at 690 V for combination switch + gG fuse maximum21 kA2.s• at 690 V for combination switch + gG fuse maximum21 kA2.s• for short-circuit protection of the main circuit requiredfuse gL/gG: 63 A• for short-circuit protection of the auxiliary switch requiredfuse gL/gG: 10 A• operational current of upstream fuse rated value63 Aaccording UL600 V• operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1600 V• active power (hp] at AC at 480 V according to UL 508/UL 60947-4-140• active power (hp] at AC at 480 V according to UL 508/UL 60947-4-150• active power (hp] at AC at 600 V according to UL 508/UL 60947-4-150• short-time withstand current (SCCR) at 600 V according to UL5 kA <td></td> <td></td> | | |
| let-through current with closed switch 6 kA • at 240 V for combination switch + gG fuse maximum 6 kA • at 440 V for combination switch + gG fuse maximum 6 kA • at 690 V for combination switch + gG fuse maximum 6 kA • at 240 V for combination switch + gG fuse maximum 6 kA • at 240 V for combination switch + gG fuse maximum 21 kA2.s • at 240 V for combination switch + gG fuse maximum 21 kA2.s • at 440 V for combination switch + gG fuse maximum 21 kA2.s • at 690 V for combination switch + gG fuse maximum 21 kA2.s • at 690 V for combination switch + gG fuse maximum 21 kA2.s • at 690 V for combination switch + gG fuse maximum 21 kA2.s • at 690 V for combination switch + gG fuse maximum 21 kA2.s • design of the fuse link • for short-circuit protection of the main circuit required • for short-circuit protection of the auxiliary switch required fuse gL/gG: 63 A according UL 63 A according UL 600 V operational current at AC according to UL 508/UL 60947-4-1 63 A active power [hp] at AC at 480 V according to UL 508/UL 60947-40 40 4-1 rated value 50 active power [hp] at AC at | • | |
| • at 240 V for combination switch + gG fuse maximum 6 kA • at 440 V for combination switch + gG fuse maximum 6 kA • at 690 V for combination switch + gG fuse maximum 6 kA permissible 6 kA !2t value with closed switch 21 kA2.s • at 240 V for combination switch + gG fuse maximum 21 kA2.s • at 440 V for combination switch + gG fuse maximum 21 kA2.s • at 440 V for combination switch + gG fuse maximum 21 kA2.s • at 690 V for combination switch + gG fuse maximum 21 kA2.s • at 690 V for combination switch + gG fuse maximum 21 kA2.s • at 690 V for combination switch + gG fuse maximum 21 kA2.s design of the fuse link fuse gL/gG: 63 A • for short-circuit protection of the main circuit required fuse gL/gG: 10 A operational current of upstream fuse rated value 63 A according UL 600 V operating oulcurrent at AC according to UL 508/UL 60947-4-1 63 A active power [hp] at AC at 600 V according to UL 508/UL 60947-41 60 4-1 rated value 50 active power [hp] at AC at 600 V according to UL 508/UL 60947-41 50 4-1 rated value 5 kA | | 50 kA |
| • at 440 V for combination switch + gG fuse maximum permissible6 kA• at 690 V for combination switch + gG fuse maximum permissible6 kA• 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 690 V scoording to UL 508/UL 60947-4-1 • for at ed value63 A• active power [hp] at AC at 600 V according to UL 508/UL 60947- • 4-1 rated value600 V600 V• for the swithstand current (SCCR) at 600 V according to UL 508/UL 60947-4-150 </td <td></td> <td></td> | | |
| • at 690 V for combination switch + gG fuse maximum permissible6 kAI2t 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 21 kA2.s • at 690 V for combination switch + gG fuse maximum 21 kA2.s21 kA2.s• 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 + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 600 V for combination switch + gG fuse maximum • for short-circuit protection of the main circuit required fuse gL/gG: 63 A fuse gL/gG: 10 A • 63 A• for short-circuit protection of the auxiliary switch required • fuse gL/gG: 10 A• operational current of upstream fuse rated value • operational current of upstream fuse rated value • operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 • for a 4-1 rated value• operating voltage 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• active power [hp] at AC at 600 V according to UL 508/UL 60947- • 4-1 rated value• short | - | |
| permissibleI2t value with closed switch• at 240 V for combination switch + gG fuse maximum21 kA2.s• at 440 V for combination switch + gG fuse maximum21 kA2.s• at 690 V for combination switch + gG fuse maximum21 kA2.sdesign of the fuse link• 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• perational current of upstream fuse rated value• operating voltage at AC at 50/60 Hz according to UL 508/UL• operating voltage at AC at 50/60 Hz according to UL 508/UL• operating voltage at AC at 50/60 Hz according to UL 508/UL• operating voltage at AC at 50/60 Hz according to UL 508/UL• operating voltage at AC at 50/60 Hz according to UL 508/UL• operating voltage at AC at 50/60 Hz according to UL 508/UL• operating voltage at AC at 50/60 Hz according to UL 508/UL• operating voltage at AC at 50/60 Hz according to UL 508/UL• operating voltage at AC at 50/60 Hz according to UL 508/UL• operating voltage at AC at 50/60 Hz according to UL 508/UL• operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-• operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-• operating voltage at AC at 480 V according to UL 508/UL 60947-• operating voltage at AC at 480 V according to UL 508/UL 60947-• operating voltage at AC at 480 V according to UL 508/UL 60947-• operating voltage at AC at 500 V according to UL 508/UL 60947-• operating voltage at AC at 480 V according | | |
| • at 240 V for combination switch + gG fuse maximum21 kA2.s• at 440 V for combination switch + gG fuse maximum21 kA2.s• at 690 V for combination switch + gG fuse maximum21 kA2.sdesign of the fuse link21 kA2.s• for short-circuit protection of the main circuit requiredfuse gL/gG: 63 A• for short-circuit protection of the auxiliary switch requiredfuse gL/gG: 10 Aoperational current of upstream fuse rated value63 Aaccording ULoperational current at AC according to UL 508/UL 60947-4-1operating voltage at AC at 50/60 Hz according to UL 508/UL600 V60947-4-1 rated value600 Vactive power [hp] at AC at 480 V according to UL 508/UL 60947- 4-1 rated value40active power [hp] at AC at 600 V according to UL 508/UL 60947- 4-1 rated value50short-time withstand current (SCCR) at 600 V according to UL 508/UL 60947-4-15 kA | | 6 kA |
| • at 440 V for combination switch + gG fuse maximum21 kA2.s• at 690 V for combination switch + gG fuse maximum21 kA2.sdesign of the fuse link21 kA2.s• for short-circuit protection of the main circuit requiredfuse gL/gG: 63 A• for short-circuit protection of the auxiliary switch requiredfuse gL/gG: 10 Aoperational current of upstream fuse rated value63 Aaccording ULoperational current at AC according to UL 508/UL 60947-4-1operating voltage at AC at 50/60 Hz according to UL 508/UL600 V60947-4-1 rated value600 Vactive power [hp] at AC at 480 V according to UL 508/UL 60947- 4-1 rated value50active power [hp] at AC at 600 V according to UL 508/UL 60947- 4-1 rated value50short-time withstand current (SCCR) at 600 V according to UL5 kA | l2t value with closed switch | |
| • at 690 V for combination switch + gG fuse maximum21 kA2.sdesign of the fuse link.• for short-circuit protection of the main circuit requiredfuse gL/gG: 63 A• for short-circuit protection of the auxiliary switch requiredfuse gL/gG: 10 Aoperational current of upstream fuse rated value63 Aaccording UL.operational current at AC according to UL 508/UL 60947-4-163 Aoperating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1600 V60947-4-1 rated value600 Vactive power [hp] at AC at 480 V according to UL 508/UL 60947- 4-1 rated value50active power [hp] at AC at 600 V according to UL 508/UL 60947- 4-1 rated value50 | at 240 V for combination switch + gG fuse maximum | 21 kA2.s |
| design of the fuse linkfuse gL/gG: 63 A• for short-circuit protection of the main circuit requiredfuse gL/gG: 63 A• for short-circuit protection of the auxiliary switch requiredfuse gL/gG: 10 Aoperational current of upstream fuse rated value63 Aaccording ULoperational current at AC according to UL 508/UL 60947-4-1operating voltage at AC at 50/60 Hz according to UL 508/UL600 V60947-4-1 rated value600 Vactive power [hp] at AC at 480 V according to UL 508/UL 60947-40active power [hp] at AC at 600 V according to UL 508/UL 60947-504-1 rated value508/UL 60947-4-1 | at 440 V for combination switch + gG fuse maximum | 21 kA2.s |
| for short-circuit protection of the main circuit required for short-circuit protection of the auxiliary switch required fuse gL/gG: 63 A for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A operational current of upstream fuse rated value 63 A according UL operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 for short-circuit protection to UL 508/UL 60947-4-1 active power [hp] at AC at 480 V according to UL 508/UL 60947- active power [hp] at AC at 600 V according to UL 508/UL 60947- for short-circuit protection to UL 508/UL 60947- for short-circuit protection to the auxiliary switch required for short-circuit protection of the auxiliary switch required for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A fuse gL/ge: 10 A fuse gL/ge | at 690 V for combination switch + gG fuse maximum | 21 kA2.s |
| • for short-circuit protection of the auxiliary switch requiredfuse gL/gG: 10 Aoperational current of upstream fuse rated value63 Aaccording UL63 Aoperational current at AC according to UL 508/UL 60947-4-1 rated value63 Aoperating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value600 Vactive power [hp] at AC at 480 V according to UL 508/UL 60947- 4-1 rated value40active power [hp] at AC at 600 V according to UL 508/UL 60947- 4-1 rated value50short-time withstand current (SCCR) at 600 V according to UL 508/UL 60947-4-15 kA | design of the fuse link | |
| operational current of upstream fuse rated value63 Aaccording ULoperational current at AC according to UL 508/UL 60947-4-163 Aoperating voltage at AC at 50/60 Hz according to UL 508/UL600 V60947-4-1 rated value600 Vactive power [hp] at AC at 480 V according to UL 508/UL 60947- 4-1 rated value40active power [hp] at AC at 600 V according to UL 508/UL 60947- 4-1 rated value50active power [hp] at AC at 600 V according to UL 508/UL 60947- 4-1 rated value50short-time withstand current (SCCR) at 600 V according to UL 508/UL 60947-4-15 kA | for short-circuit protection of the main circuit required | fuse gL/gG: 63 A |
| according ULoperational current at AC according to UL 508/UL 60947-4-1 rated value63 Aoperating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value600 Vactive power [hp] at AC at 480 V according to UL 508/UL 60947- 4-1 rated value40active power [hp] at AC at 600 V according to UL 508/UL 60947- 4-1 rated value50active power [hp] at AC at 600 V according to UL 508/UL 60947- 4-1 rated value50short-time withstand current (SCCR) at 600 V according to UL 508/UL 60947-4-15 kA | for short-circuit protection of the auxiliary switch required | fuse gL/gG: 10 A |
| operational current at AC according to UL 508/UL 60947-4-1 rated value63 Aoperating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value600 Vactive power [hp] at AC at 480 V according to UL 508/UL 60947- 4-1 rated value40active power [hp] at AC at 600 V according to UL 508/UL 60947- 4-1 rated value50short-time withstand current (SCCR) at 600 V according to UL 508/UL 60947-4-15 kA | operational current of upstream fuse rated value | 63 A |
| rated value600 Voperating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value600 Vactive power [hp] at AC at 480 V according to UL 508/UL 60947- 4-1 rated value40active power [hp] at AC at 600 V according to UL 508/UL 60947- 4-1 rated value50short-time withstand current (SCCR) at 600 V according to UL 508/UL 60947-4-15 kA | according UL | |
| 60947-4-1 rated value 40 active power [hp] at AC at 480 V according to UL 508/UL 60947- 40 4-1 rated value 50 active power [hp] at AC at 600 V according to UL 508/UL 60947- 50 4-1 rated value 50 short-time withstand current (SCCR) at 600 V according to UL 508/UL 60947- 5 kA | | 63 A |
| 4-1 rated value active power [hp] at AC at 600 V according to UL 508/UL 60947- 50 4-1 rated value short-time withstand current (SCCR) at 600 V according to UL 508/UL 60947-4-1 5 kA | | 600 V |
| active power [hp] at AC at 600 V according to UL 508/UL 60947- 4-1 rated value50short-time withstand current (SCCR) at 600 V according to UL 508/UL 60947-4-15 kA | active power [hp] at AC at 480 V according to UL 508/UL 60947- | 40 |
| 508/UL 60947-4-1 | active power [hp] at AC at 600 V according to UL 508/UL 60947- | 50 |
| continuous current of upstream fuse according to UL rated value 175 A | | 5 kA |
| | continuous current of upstream fuse according to UL rated value | 175 A |

| type of fuse according to | o UL | RK | 5 | | | | |
|--|----------------------------------|----------|--|-------------------|----------------------|--|--|
| Connections | | | | | | | |
| AWG number as coded | connectable conductor cross | section | | | | | |
| solid | | | | | | | |
| maximum | | 6 | 6 | | | | |
| minimum | | 14 | | | | | |
| type of connectable con conductor | nductor cross-sections for copp | er | | | | | |
| solid | | 1x | 1x (2,535mm²) | | | | |
| finely stranded w | ith core end processing | 1x | 1x (2.516 mm ²) | | | | |
| stranded | | 1x | 1x (2,535mm ²) | | | | |
| type of connectable con contacts | nductor cross-sections for auxil | | | | | | |
| solid | | 2x | 2x (0.75 2.5 mm²), 1x 4 mm² | | | | |
| | ith core end processing | | 2x (0.75 1.5 mm ²), 1x 2.5 mm ² | | | | |
| stranded | an oor on a proceeding | | (0.75 2.5 mm²), 1x 4 mm | | | | |
| type of electrical connect | ction | | (0.70 2.0 mm), 1x 4 mm | | | | |
| for main current of the formain current of the formain current of the formain current of the formation | | bo | k terminal | | | | |
| | | | | | | | |
| for auxiliary conta | | COI | nnection terminals | | | | |
| Mechanical Design | | | | | | | |
| height | | | 64 mm | | | | |
| width | | | 64 mm | | | | |
| depth | | | 93 mm | | | | |
| type of device | | fixe | fixed mounting | | | | |
| fastening method | | Bu | Built-in unit fixed-mounted version | | | | |
| fastening method | | | | | | | |
| 4-hole front mour | nting | No | No | | | | |
| front mounting wi | ith central attachment | No | No | | | | |
| rail mounting | | Ye | S | | | | |
| net weight | | 304 | 4 g | | | | |
| Environmental condition | ns | | | | | | |
| ambient temperature du | | | | | | | |
| • minimum | | | | -25 °C | | | |
| maximum | | 55 | | | | | |
| ambient temperature du | iring storage | 000 | 0 | | | | |
| minimum | | 25 | 05 °O | | | | |
| | | | | -25 °C | | | |
| maximum | 1 | 55 | 55 °C | | | | |
| General Product Appr | roval | | | | | | |
| (SI) | Confirmation | (| | DE | Miscellaneous | | |
| | | | | VOF | | | |
| 1.54 | | | UL | ADE. | | | |
| | | | | | | | |
| General Product Ap- | | | | | | | |
| proval | Declaration of Conformity | | Test Certificates | Marine / Shipping | other | | |
| | | 1.112 | Special Test Certific- | | Missellanceus | | |
| EAC | ((| UK CA | <u>special Test Certific-</u> <u>ate</u> | Lloyds | <u>Miscellaneous</u> | | |
| ГПI | | | | Register | | | |
| | EG-Konf. | СН | | LRS | | | |
| | | | | | | | |
| - 41 | Fundament | | | | | | |
| other | Environment | | | | | | |
| Confirmation | Environmental Con- | | | | | | |
| | firmations | | | | | | |
| | | | | | | | |
| | | | | | | | |

Further information

Siemens has decided to exit the Russian market (see here). https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus). Information on the packaging

https://support.industry.siemens.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=3LD2530-0TK13

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

https://support.industry.siemens.com/cs/ww/en/ps/3LD2530-0TK13

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

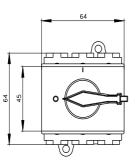
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2530-0TK13

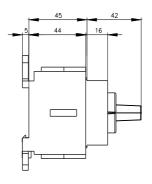
CAx-Online-Generator

http://www.siemens.com/cax

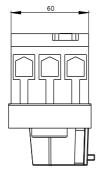
Tender specifications

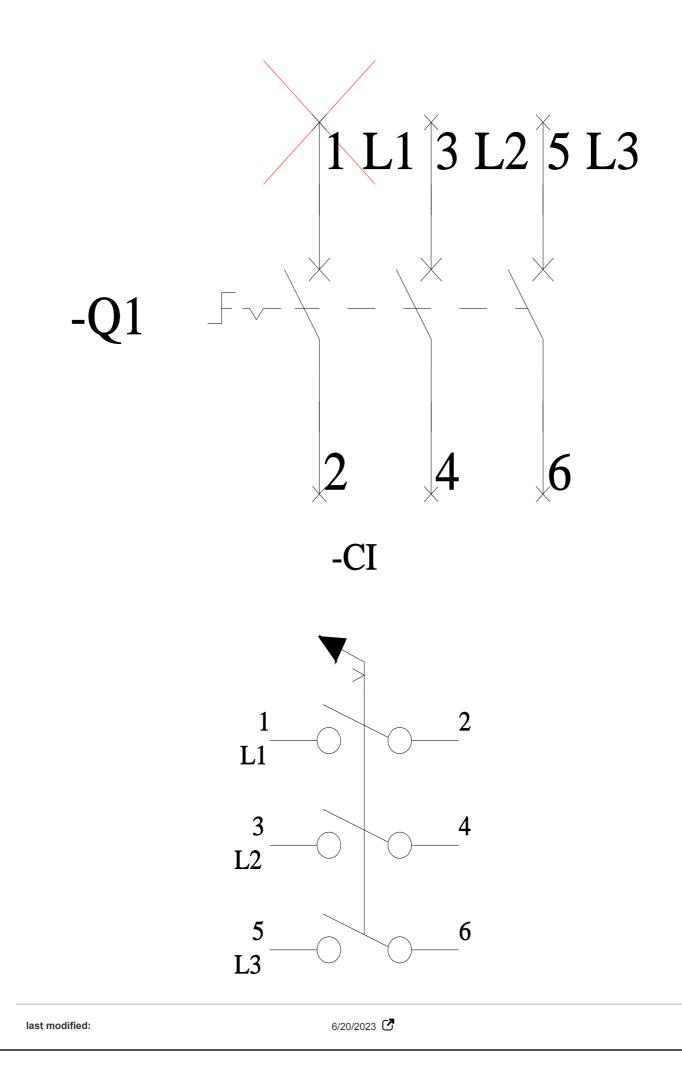
http://www.siemens.com/specifications











7/10/2023