SIEMENS

Data sheet 3LD3230-1TK13



Load disconnector 3LD3, lu 32 A Main switch 3-pole Rated operating capacity for AC-23 A at 400V 11.5kW Installation in distribution boards, Basic switch with selector knob red / yellow with auxiliary switch 1OE + 1S

| Model | | |
|--|-------------------------------------|--|
| product brand name | SENTRON | |
| product designation | 3LD Switch disconnector | |
| design of the product | EMERGENCY-STOP switch | |
| display version / for switch position indicator manual operation | 1 ON - 0 OFF | |
| design of the actuating element | selector switch | |
| design of handle | knob-operated mechanism, red/yellow | |
| type of the driving mechanism / motor drive | No | |
| General technical data | | |
| number of poles | 3 | |
| number of poles / note | 3 | |
| type of device | fixed mounting | |
| type of switch | DIN-rail mounting | |
| mechanical service life (switching cycles) / typical | 100 000 | |
| electrical endurance (switching cycles) | | |
| • at AC-23 A / at 690 V | 6 000 | |
| I2t value / with closed switch / at 690 V / for combination switch + gG fuse / maximum | 9 kA2.s | |
| let-through I2t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum | 9 kA2.s | |
| operating frequency / maximum | 50 1/h | |
| Voltage | | |
| insulation voltage / rated value | 690 V | |
| surge voltage resistance / rated value | 6 kV | |
| 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 | 1.8 W | |
| per conductor / typical | 2 W | |
| Current | | |
| operational current | | |
| at 40 °C / rated value | 32 A | |
| at 45 °C / rated value | 32 A | |
| at 50 °C / rated value | 32 A | |
| at 55 °C / rated value | 32 A | |
| at AC / rated value | 32 A | |

| * IN AC-21 N 169 DV r rated value | -t AO 00 A / -t 400 V /tdl | 00 A |
|--|--|--------------------------------|
| and AC-21 A / at 44 DV / rated value at AC-21 A / at 44 DV / rated value 32 A operational current / with closed switch 4 stack / at 44 DV / rated value 32 A 4.5 kA lei-through current / with closed switch 4 stack / at 44 DV / rated value 4 stack / at 44 DV / rated value 5 kA 4.5 kA minimum 4 operating power at AC-23 A / at 44 DV / rated value 4 st AC-23 A / at 44 DV / rated value 5 kW 4 st AC-23 A / at 44 DV / rated value 12 kW 4 st AC-23 A / at 44 DV / rated value 12 kW 5 st AC-23 A / at 40 DV / rated value 13 kW 14 st AC-23 A / at 40 DV / rated value 15 kW 16 st AC-23 A / at 50 DV / rated value 16 kW 17 st AC-23 A / at 50 DV / rated value 19 st KW 18 st AC-23 A / at 50 DV / rated value 10 kW 18 st AC-23 A / at 50 DV / rated value 10 kW 19 st AC-23 A / at 50 DV / rated value 10 kW 10 st AC-23 A / at 50 DV / rated value 10 kW 10 st AC-23 A / at 50 DV / rated value 10 kW 10 st AC-23 A / at 50 DV / rated value 10 kW 10 st AC-23 A / at 50 DV / rated value 10 kW 10 st AC-23 A / at 50 DV / rated value 10 kW 10 st AC-23 A / at 50 DV / rated value 10 kW 10 st AC-23 A / at 50 DV / rated value 10 kW 11 st AC-23 A / at 50 DV / rated value 10 kW 11 st AC-23 A / at 50 DV / rated value 10 kW 12 st AC-23 A / at 50 DV / rated value 10 kW 12 st AC-23 A / at 50 DV / rated value 10 kW 12 st AC-23 A / at 50 DV / rated value 10 kW 12 st AC-23 A / at 50 DV / rated value 10 kW 12 st AC-23 A / at 50 DV / rated value 10 kW 12 st AC-23 A / at 50 DV / rated value 10 kW 12 st AC-23 A / at 50 DV / rated value 10 kW 12 st AC-23 A / at 50 DV / rated value 10 kW 12 st AC-23 A / at 50 DV / rated value 10 kW 12 st AC-23 A / at 50 DV / rated value 10 kW 12 st AC-23 A / at 50 DV / rated value 10 kW 12 st AC-23 A / at 50 DV / rated value 10 kW 12 st AC-23 A / at 50 DV / rated value 10 kW 18 st AC-23 A / at 50 DV / rated value 10 kW 18 st AC-23 A / at 50 DV / rated value 10 kW 18 st AC-23 A / at 50 DV / rated value 10 kW 18 st AC-23 A / at 50 DV / rated value 10 kW 18 st AC-23 A / at 50 DV / rated value 10 kW 18 st AC-23 A / at 50 DV / rated va | • at AC-23 A / at 400 V / rated value | 22 A |
| and AC-21 A. fal 440 V / rated value get-through current / with closed switch at 440 V / for combination switch + gG fuse / mainthum at 460 V / for combination switch + gG fuse / mainthum at 460 V / for combination switch + gG fuse / mainthum at 460 V / for combination switch + gG fuse / mainthum at 460 V / for combination switch + gG fuse / mainthum permissible Minimum permissible | | |
| operational current / off uostheam tuse / rated value 32 A let-through current / with closed switch + gG fuse / maximum 4.5 kA maximum permissible 5 kA maximum permissible 6 kW 6 kW at AC-23 A / at 240 V / rated value 12 kW at AC-23 A / at 240 V / rated value 12 kW at AC-23 A / at 240 V / rated value 12 kW at AC-23 A / at 440 V / rated value 12 kW at AC-23 A / at 400 V / rated value 12 kW at AC-23 A / at 400 V / rated value 12 kW at AC-23 A / at 400 V / rated value 10 kW at AC-23 A / at 600 V / rated value 50 kW at AC-23 A / at 600 V / rated value 50 kW at AC-23 A / at 600 V / rated value 50 kW at AC-23 A / at 600 V / rated value 50 kW at AC-23 A / at 600 V / rated value 50 kW at AC-23 A / at 600 V / rated value 6 kW at AC-23 A / at 600 V / rated value 6 kW at AC-23 A / at 600 V / rated value 6 kW at AC-23 A / at 600 V / rated value 6 kW at AC-23 A / at 600 V / rated value 6 kW at AC-23 A / at 600 V / rated value 6 kW at AC-23 A / at 600 V / rated value 6 kW at AC-23 A / at 600 V / rated value 6 kW at AC-23 A / at 6 | | |
| let-through current / with cissed switch | | |
| and 440 V for combination switch + gG fuse / maximum at the 990 V for combination switch + gG fuse / switch and switch power / switch power | · | 32 A |
| maximum earthur permissible Main circuit operating power at AC-23 A / at 240 V / rated value at AC-23 A / at 400 V / rated value at AC-33 A / at 400 V / rated value at AC-34 A / at 500 V / rated value at AC-35 A / at 500 V / rated value at AC-37 at 650 V / rated value berational current / rated value at AC-37 at 650 V / rated value at AC-37 at 650 V / rated value perational current / rated value at AC-37 at 650 V / rated value poperating voltage / of auxiliary contacts number of XC contacts / for auxiliary contacts number of XC contacts / for auxiliary contacts number of XC contacts / for auxiliary contacts 1 number of XC contacts / for auxiliary contacts 1 number of XC contacts / for auxiliary contacts 1 number of XC contacts / for auxiliary contacts 1 number of XC contacts / for auxiliary contacts 1 number of XC contacts / for auxiliary contacts 1 number of XC contacts / for auxiliary contacts 1 number of XC contacts / for auxiliary contacts 1 number of XC contacts / for auxiliary contact / rated value sustability for use main switch ves main switch ves emin switch ves at the auxiliary contact / rated value 10 A materian correpair switch ves emin | <u> </u> | |
| maximum permissible Main circuit operating power • at AC-23 A / at 440 V / rated value • at AC-23 A / at 440 V / rated value • at AC-23 A / at 440 V / rated value • at AC-34 A / at 400 V / rated value • at AC-37 at 240 V / rated value • at AC-37 at 240 V / rated value • at AC-37 at 240 V / rated value • at AC-37 at 400 V / rated value • at AC-37 at 400 V / rated value • at AC-37 at 400 V / rated value • at AC-37 at 400 V / rated value • at AC-37 at 400 V / rated value • 25 kW operational current / rated value auxiliary circuit number of NC contacts / for auxiliary contacts number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contact / rated value insulation voltage / of the auxiliary switch / rated value insulation voltage / of the auxiliary switch / rated value **EMERGENCY OFF switch **Switch disconnector** **Yes **main switch **emain switch **yes **main switch **emain switch **yes **and sconnector** **Yes **and sconnect | | 4.5 KA |
| operating power at AC-23 A / at 400 V / rated value at AC-23 A / at 440 V / rated value at AC-32 A / at 440 V / rated value at AC-32 A / at 440 V / rated value at AC-32 A / at 400 V / rated value at AC-3 / at 500 V / rated value at AC-3 / at 500 V / rated value at AC-3 / at 500 V / rated value boparational current / rated value at AC-3 / at 500 V / rated value 5.5 kW at AC-3 / at 500 V / rated value 9.5 kW operational current / rated value 10 kW 4.0 kW | | 5 kA |
| | Main circuit | |
| e at AC-23 A / at 440 V / rated value et AC-23 A / at 4690 V rated value 11.5 kW et AC-23 A / at 4690 V rated value 5.5 kW et AC-37 at 430 V / rated value 9.5 kW operational current / rated value 0.0 kW operational current / rated value 0.0 contacts / for auxiliary contacts 1 number of CO contacts / for auxiliary contacts 1 number of NO contacts / for auxiliary contacts 1 number of NO contacts / for auxiliary contacts 1 continuous current / of the auxiliary contacts 1 operating voltage / of auxiliary contacts / rated value insulation voltage / of the auxiliary switch / rated value insulation voltage / of the auxiliary switch / rated value value insulation voltage / of the auxiliary switch / rated value • main switch • well to disconnector • well to disconnector • well to disconnector • EMERGENCY OFF switch • maintenance/repair switch Appearance color / of the actuating element red Product details product feature • can be locked into OFF position • wottage friger No Short circuit conditional short-circuit current / with line-side fuse product extension / optional • at 600 V / by g G fuse / rated value • at 600 V / by g G fuse / rated value • at 600 V / by g G fuse / rated value • at 600 V / by g G fuse / rated value • at 600 V / by g G fuse / rated value • at 600 V / by g G fuse / rated value • at 600 V / by g G fuse / rated value • at 600 V / by g G fuse / rated value • at 600 V / by g G fuse / rated value • at 600 V / by g G fuse / rated value • at 600 V / by g G fuse / rated value • at 600 V / by g G fuse / rated value • at 600 V / by g G fuse / rated value • at 600 V / by g G fuse / rated value • at 600 V / by g G fuse / rat | operating power | |
| at AC-23 A / at 440 V / rated value at AC-33 / at 240 V / rated value at AC-33 / at 240 V / rated value at AC-3 / at 240 V / rated value at AC-3 / at 260 V / rated value at AC-3 / at 680 V / rated value 32 A Auxiliary circuit Tumber of CO contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 2 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 2 e main switch 2 EMERGENCY OFF switch 2 EMERGENCY OFF switch 3 EMERGENCY OFF switch 4 EMERGENCY OFF switch 4 EMERGENCY OFF switch 5 EMERGENCY OFF switch 5 EMERGENCY OFF switch 7 EMERGENCY OFF switch 9 EMERGENCY OFF switch | at AC-23 A / at 240 V / rated value | 6 kW |
| at AC-33 A 1 at 690 V / rated value at AC-3 / at 200 V / rated value 5 5 kW 5 5 kW 5 5 kW 9 at AC-3 / at 400 V / rated value 9 5 kW 9 operational current / rated value 9 5 kW 9 operational current / seld value 10 kW Auxiliary circuit 10 contacts / for auxiliary contacts 10 contacts / for auxiliary contacts 11 continuous current / of the auxiliary contacts 11 continuous current / of the auxiliary contacts 12 continuous current / of the auxiliary contacts 13 continuous current / of the auxiliary contacts / rated value 10 continuous current / of the auxiliary contact / rated value 10 continuous current / of the auxiliary contact / rated value 10 continuous current / of the auxiliary contact / rated value 10 continuous current / of the auxiliary contact / rated value 10 continuous current / of the auxiliary contact / rated value 10 continuous current / of the auxiliary contact / rated value 10 continuous current / of the auxiliary contact / rated value 10 continuous current / of the auxiliary contact / rated value 10 continuous current / of the auxiliary contact / rated value 10 continuous current / of the auxiliary contact / rated value 10 continuous current / view contact | at AC-23 A / at 400 V / rated value | 12 kW |
| at AC-3 / at 240 V / rated value at AC-3 / at 590 V / rated value 9 at AC-3 / at 590 V / rated value 9 s.KW operational current / rated value 32 A Auxillary circuit number of CO contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 operating voltage / of auxiliary contacts 1 operating voltage / of auxiliary contacts / at AC / maximum confinuous current / of the auxiliary switch / rated value Suitability suitability for use 9 main switch 9 switch disconnector 9 seafety switch 9 safety switch 1 yes 9 maintenance/repair switch Appearance color / of the actualing element Product details Product details Product details 9 reduct details 1 yes 1 number of bracket locks / minimum 2 hasp thickness / of the bracket locks / minimum 3 neptol product feature 9 can be locked into OFF position 1 number of bracket locks / maximum 2 hasp thickness / of the bracket locks / minimum 4 masp spickinger / one of the bracket locks / maximum 5 net or divine 9 rod or divine 1 not or divine 2 not or divine 3 not or divine 3 not or divine 4 not or divine 5 not or divine 6 not or divine 9 not or divi | at AC-23 A / at 440 V / rated value | 11.5 kW |
| at AC-3 / at 400 V / rated value at AC-3 / at 690 V / rated value 9.5 kW operational current / rated value 32 A Auxiliary circuit number of CO contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contact / rated value 2 number of NC contacts / for auxiliary contact / rated value 2 Net aliability 3 suitability 3 suitability 3 suitability 3 suitability 4 safety switch 4 safety switch 4 safety switch 7 safety safety switch 7 safety safety safety switch 7 safety | at AC-23 A / at 690 V / rated value | 12 kW |
| • at AC-3 / at 690 V / rated value 9.5 kW operational current / rated value 32 A Auxillary criotit number of CO contacts / for auxillary contacts 0 number of NC contacts / for auxillary contacts 1 number of NC contacts / for auxillary contacts 1 operating voltage / of auxillary contacts 1 operating voltage / of auxillary contacts / at AC / maximum 500 V continuous current / of the auxillary switch / rated value 500 V Suitability suitability for use • main switch | at AC-3 / at 240 V / rated value | 5.5 kW |
| operational current / rated value 32 A Auxiliary circuit number of CO contacts / for auxiliary contacts number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NO contacts / for auxiliary contacts 1 number of NO contacts / for auxiliary contacts 1 number of NO contacts / for auxiliary contacts 1 number of NO contacts / for auxiliary contacts 1 number of NO contacts / for auxiliary contact / rated value 200 V Suitability suitability for use 1 main switch 2 switch disconnector 2 EMERCENCY OFF switch 2 safety switch 2 safety switch 2 safety switch 2 maintenance/repair switch 2 red 2 Appearance 2 color / of the auxiliary selement 2 Product details 2 product feature 2 can be locked into OFF position 3 nasp thickness / of the bracket locks / maximum 3 special product feature 2 nasp thickness / of the bracket locks / minimum 4 hasp thickness / of the bracket locks / minimum 4 hasp thickness / of the pracket locks / minimum 4 hasp thickness / of the pracket locks / maximum 3 special product feature 2 can be locked in zero position 2 No | at AC-3 / at 400 V / rated value | 10 kW |
| Auxiliary circuit number of CO contacts / for auxiliary contacts number of NC contacts / for auxiliary contacts 1 number of NO contacts / for auxiliary contacts 1 number of NO contacts / for auxiliary contacts 1 operating voltage / of auxiliary contacts 1 operating voltage / of auxiliary contacts 1 insulation voltage / of the auxiliary switch / rated value 100 V Suitability Suitability for use 1 main switch 2 main switch 2 main switch 3 mainterRenCry OFF switch 4 mainterance/repair switch 4 mainterance/repair switch 4 Appearance color / of the actuating element Product details product feature 1 can be locked into OFF position 1 number of bracket locks / maximum 2 nasp thickness / of the bracket locks / minimum 1 hasp thickness / of the bracket locks / minimum 2 motoridity 4 motoridity 6 motor drive 1 motor drive 1 motor drive 2 notor of suit auximum 3 No 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | at AC-3 / at 690 V / rated value | 9.5 kW |
| Auxiliary circuit number of CO contacts / for auxiliary contacts number of NC contacts / for auxiliary contacts 1 number of NO contacts / for auxiliary contacts 1 number of NO contacts / for auxiliary contacts 1 operating voltage / of auxiliary contacts 1 operating voltage / of auxiliary contacts 1 insulation voltage / of the auxiliary switch / rated value 100 V Suitability Suitability for use 1 main switch 2 main switch 2 main switch 3 mainterRenCry OFF switch 4 mainterance/repair switch 4 mainterance/repair switch 4 Appearance color / of the actuating element Product details product feature 1 can be locked into OFF position 1 number of bracket locks / maximum 2 nasp thickness / of the bracket locks / minimum 1 hasp thickness / of the bracket locks / minimum 2 motoridity 4 motoridity 6 motor drive 1 motor drive 1 motor drive 2 notor of suit auximum 3 No 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | operational current / rated value | 32 A |
| number of CO contacts / for auxiliary contacts number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 coperating voltage / of auxiliary contacts / 1 continuous current / of the auxiliary contact / rated value insulation voltage / of the auxiliary switch / rated value south voltage / of the auxiliary switch / rated value south voltage / of the auxiliary switch / rated value suitability suitabi | | |
| number of NC contacts / for auxiliary contacts 1 number of NO contacts / for auxiliary contacts 1 operating voltage / of auxiliary contacts / rate / / maximum continuous current / of the auxiliary contact / rated value insulation voltage / of the auxiliary switch / rated value 500 V Suitability suitability for use • main switch • switch disconnector • EMERGENCY OFF switch • safety switch • safety switch • safety switch • rainhanance/repair switch Appearance color / of the actualing element red red roduct details product feature • can be locked into OFF position number of bracket locks / maximum 2 hasp thickness / of the bracket locks / minimum Asp thickness / of the bracket locks / minimum Asp thickness / of the bracket locks / maximum Special product feature roduct details product estension / optional • motor drive • voltage trigger No Short circuit conditional short-circuit current / with line-side fuse protection • at 440 V / by gG fuse / rated value • at 680 V / by gG fuse / rated value at 680 V / by gG fuse / rated value poperating voltage / at AC / at 50/60 Hz / according to UL. 508/UL 60947-4-1 / rated value active power [In] / at AC / at 450 V / according to UL. 508/UL 60947-4-1 / rated value active power [In] / at AC / at 450 V / according to UL. 508/UL 60947-4-1 / rated value active power [In] / at AC / at 450 V / according to UL. 508/UL 60947-4-1 / rated value active power [In] / at AC / at 500 V / according to UL. 508/UL 60947-4-1 / rated value | | 0 |
| number of NO contacts / for auxiliary contacts operating voltage / of auxiliary contacts / at AC / maximum continuous current / of the auxiliary contact / rated value insulation voltage / of the auxiliary switch / rated value south voltage / of the auxiliary switch / rated value south voltage / of the auxiliary switch / rated value **Continuous current / of the auxiliary switch / rated value south voltage / of the auxiliary switch / rated value **Continuous current / of the auxiliary switch / rated value **Continuous current / of the auxiliary switch / rated value **Continuous current / of the auxiliary switch / rated value **Continuous current / of the auxiliary switch / rated value **Continuous current / of the auxiliary switch / rated value **Continuous current / of the auxiliary switch / rated value **Continuous current / with line-side fuse protection **Continuous current / of the dracked locks / maximum **Continuous current / of the bracked locks / maximum **Continuous | | |
| operating voltage / of auxiliary contacts / at AC / maximum continuous current / of the auxiliary contact / rated value insulation voltage / of the auxiliary switch / rated value suitability suitability suitability for use • main switch • switch disconnector • selengency OFF switch • safety switch • safety switch • safety switch • maintenance/repair switch Appearance color / of the actuating element Product details product details product feature • can be locked into OFF position number of bracket locks / maximum 2 hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum special product feature product extension / optional • motor drive • voltage trigger No Short circuit conditional short-circuit current / with line-side fuse protection • at 440 V / by g6 fuse / rated value • at 680 V / by G6 fuse / rated value • at 680 V / by G6 fuse / rated value operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value active power [Iph] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [Iph] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [Iph] / at AC / at 460 V / according to UL 508/UL 60947-4-1 / rated value active power [Iph] / at AC / at 460 V / according to UL 508/UL 60947-4-1 / rated value active power [Iph] / at AC / at 460 V / according to UL 508/UL 60947-4-1 / rated value | | |
| continuous current / of the auxiliary contact / rated value insulation voltage / of the auxiliary switch / rated value Suitability Suitability for use • main switch • switch disconnector • EMERGENCY OFF switch • safety switch • safety switch • safety switch • maintenance/repair switch Appearance color / of the actuating element red Product details product feature • can be locked into OFF position number of bracket locks / maximum 2 hasp thickness / of the bracket locks / maximum special product efature • can be locked into OFF position nspecial product feature conditional short-circuit current / with line-side fuse protection • at 440 V / by G fuse / rated value • at 690 V / by G fuse / rated value • at 690 V / by G fuse / rated value operating voltage / at AC / at 450 V / according to UL 508/UL 60947-4-1 / rated value active power [lip] / at AC / at 450 V / according to UL 508/UL 60947-4-1 / rated value active power [lip] / at AC / at 450 V / according to UL 508/UL 60947-4-1 / rated value active power [lip] / at AC / at 450 V / according to UL 508/UL 60947-4-1 / rated value active power [lip] / at AC / at 450 V / according to UL 508/UL 60947-4-1 / rated value active power [lip] / at AC / at 460 V / according to UL 508/UL 60947-4-1 / rated value active power [lip] / at AC / at 460 V / according to UL 508/UL 60947-4-1 / rated value | | |
| insulation voltage / of the auxiliary switch / rated value Suitability suitability for use ● main switch ● switch disconnector ● EMERGENCY OFF switch ● safely switch ● maintenance/repair switch Appearance color / of the actuating element Product details product feature ● can be locked into OFF position number of bracket locks / maximum 2 hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum special product feature ● motor drive ● motor drive ● voltage trigger Short circuit conditional short-circuit current / with line-side fuse protection ● at 440 V / by gG fuse / rated value ● at 690 V / by GG fuse / rated value ● at 690 47 -41 / 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 active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value | | |
| Suitability suitability for use • main switch • switch disconnector • EMERGENCY OFF switch • safety switch • safety switch • safety switch • maintenance/repair switch • maintenance/repair switch • maintenance/repair switch • maintenance/repair switch Appearance color / of the actuating element Product details product feature • oan be locked into OFF position number of bracket locks / maximum 2 hasp thickness / of the bracket locks / minimum 4 mm hasp thickness / of the bracket locks / maximum 5 pecial product feature can be locked into OFF position No special product feature product extension / optional • motor drive • voltage trigger No Short circuit conditional short-circuit current / with line-side fuse protection • at 440 V / by gG fuse / rated value • at 690 V / by gG fuse / rated value • at 690 V / by gG fuse / rated value • at 690 V / by gG fuse / rated value operational current / 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 active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value | · | |
| suitability for use • main switch • switch disconnector • EMERGENCY OFF switch • safety switch • maintenance/repair switch Product details product details product details product feature • can be locked into OFF position number of bracket locks / maximum 2 hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum special product feature can be locked in zero position • motor drive • voltage trigger No Short circuit conditional short-circuit current / with line-side fuse protection • at 440 V / by gG fuse / rated value • at 690 V / by GG fuse / rated value • at 690 V / by GG fuse / rated value • at 690 V / by GG fuse / 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 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 active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value | | |
| main switch switch disconnector EMERGENCY OFF switch safety switch safety switch maintenance/repair switch Appearance color / of the actuating element red Product details product feature can be locked into OFF position Nespecial product feature sapecial product feature can be locked locks / maximum special product feature can be locked locks / maximum special product feature can be locked locks / maximum special product feature Can be locked into OFF position special product feature Can be locked into OFF position special product feature Can be locked into OFF position special product feature Can be locked in zero position Product extension / optional motor drive voltage trigger No Short circuit conditional short-circuit current / with line-side fuse protection • at 440 V / by gG fuse / rated value at 890 V / by gG fuse / rated value operational current / at AC / according to UL 508/UL operational current / at AC / according to UL 508/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 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 | | |
| Switch disconnector EMERGENCY OFF switch safety switch maintenance/repair switch Yes Appearance color / of the actuating element Product details product feature and be locked into OFF position number of bracket locks / maximum 2 hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum 5 mm special product feature conditional short-circuit current / with line-side fuse protection at 440 V / by gG fuse / rated value at 440 V / by gG fuse / rated value at 69047-4-1 / 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 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 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 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 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 | • | Voc |
| EMERGENCY OFF switch safety switch safety switch maintenance/repair switch Yes Appearance color / of the actuating element red Product details product feature | | |
| • safety switch • maintenance/repair switch Appearance color / of the actuating element Product details product feature • can be locked into OFF position number of bracket locks / maximum 2 hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum 5 pecial product feature product extension / optional • motor drive • voltage trigger Short circuit conditional short-circuit current / with line-side fuse protection • at 440 V / by gG fuse / rated value • at 690 V / by gG fuse / rated value according UL operational current / at AC / according to UL 508/UL 69947-4-1 / 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 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 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 active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value | | |
| maintenance/repair switch Appearance color / of the actuating element red Product details product feature | | |
| Appearance color / of the actuating element red Product details product feature | - | |
| color / of the actuating element Product details product feature • can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum special product feature Can be locked in zero position on the product extension / optional • motor drive • voltage trigger No Short circuit conditional short-circuit current / with line-side fuse protection • at 440 V / by gG fuse / rated value • at 690 V / by gG fuse / rated value operational current / at AC / at coording 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 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 active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value | | Yes |
| Product feature ● can be locked into OFF position number of bracket locks / maximum Ansp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum special product feature product extension / optional ● motor drive ● voltage trigger Short circuit conditional short-circuit current / with line-side fuse protection ● at 440 V / by gG fuse / rated value ● at 690 V / by gG fuse / rated value Seperational 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 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 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 | | |
| product feature | | red |
| ocan be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum special product feature product extension / optional • motor drive • voltage trigger No Short circuit conditional short-circuit current / with line-side fuse protection • at 440 V / by gG fuse / rated value • at 690 V / by gG fuse / rated value operational current / at AC / according to UL 508/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 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 | Product details | |
| number of bracket locks / maximum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum special product feature product extension / optional motor drive voltage trigger No Short circuit conditional short-circuit current / with line-side fuse protection at 440 V / by gG fuse / rated value at 690 V / by gG fuse / rated value operational current / at AC / 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 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 active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value | product feature | |
| hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum special product feature Can be locked in zero position Product extension / optional • motor drive • voltage trigger No Short circuit conditional short-circuit current / with line-side fuse protection • at 440 V / by gG fuse / rated value • at 690 V / by gG fuse / rated value • at 690 V / by gG 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 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 active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value | can be locked into OFF position | Yes |
| hasp thickness / of the bracket locks / maximum special product feature product extension / optional motor drive voltage trigger Short circuit conditional short-circuit current / with line-side fuse protection at 440 V / by gG fuse / rated value at 690 V / by gG fuse / rated value operational current / at AC / 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 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 active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value | number of bracket locks / maximum | 2 |
| special product feature product extension / optional motor drive voltage trigger No Short circuit conditional short-circuit current / with line-side fuse protection at 440 V / by gG fuse / rated value at 690 V / by gG fuse / rated value 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 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 | hasp thickness / of the bracket locks / minimum | 4 mm |
| product extension / optional • motor drive • voltage trigger No Short circuit conditional short-circuit current / with line-side fuse protection • at 440 V / by gG fuse / rated value • at 690 V / by gG fuse / rated value 6 kA 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 active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value | hasp thickness / of the bracket locks / maximum | 6 mm |
| motor drive voltage trigger No Short circuit conditional short-circuit current / with line-side fuse protection at 440 V / by gG fuse / rated value at 690 V / by gG fuse / rated value 6 kA 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 | special product feature | Can be locked in zero position |
| voltage trigger Short circuit conditional short-circuit current / with line-side fuse protection at 440 V / by gG fuse / rated value at 690 V / by gG fuse / rated value at 690 V / by gG 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 active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value | product extension / optional | |
| Short circuit conditional short-circuit current / with line-side fuse protection • at 440 V / by gG fuse / rated value • at 690 V / by gG fuse / rated value 6 kA 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 active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value | motor drive | No |
| conditional short-circuit current / with line-side fuse protection • at 440 V / by gG fuse / rated value • at 690 V / by gG fuse / rated value 6 kA 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 20 20 20 | voltage trigger | No |
| protection • at 440 V / by gG fuse / rated value • at 690 V / by gG fuse / rated value 6 kA 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 active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value | Short circuit | |
| at 440 V / by gG fuse / rated value at 690 V / by gG fuse / rated value 6 kA 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 | | |
| according UL operational current / at AC / according to UL 508/UL operating voltage / at AC / at 50/60 Hz / according to 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 20 20 20 20 | • | 10 kA |
| 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 20 508/UL 60947-4-1 / rated value | | 6 kA |
| 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 20 20 20 20 20 20 20 20 20 20 20 20 20 | | |
| 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 20 | operational current / at AC / according to UL 508/UL | 32 A |
| 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 | operating voltage / at AC / at 50/60 Hz / according to UL | 600 V |
| active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value | active power [hp] / at AC / at 480 V / according to UL | 20 |
| short-time withstand current (SCCR) / at 600 V / according 5 kA | | 20 |
| | short-time withstand current (SCCR) / at 600 V / according | 5 kA |

| to UL 508/UL 60947-4-1 | 50.4 |
|--|-------------------------------------|
| continuous current / of upstream fuse / according to UL / rated value | 50 A |
| type of fuse / according to UL | RK5 |
| Number | |
| number of connectable NC contacts / for auxiliary contacts / attachable / maximum | 2 |
| number of connectable NO contacts / for auxiliary contacts / attachable / maximum | 4 |
| number of connectable CO contacts / for auxiliary contacts / attachable / maximum | 0 |
| Connections | |
| AWG number / as coded connectable conductor cross section / solid | |
| • maximum | 6 |
| • minimum | 14 |
| type of connectable conductor cross-sections / for copper conductor | |
| • solid | 1x (2.5 to 16 mm²) |
| finely stranded / with core end processing | 1x (2.516 mm²) |
| stranded | 1x (2.5 to 16 mm²) |
| type of connectable conductor cross-sections / for auxiliary contacts | |
| • solid | 2x (0.75 2.5 mm²), 1x 4 mm² |
| finely stranded / with core end processing | 2x (0.75 1.5 mm²), 1x 2.5 mm² |
| stranded | 2x (0.75 2.5 mm²), 1x 4 mm² |
| type of electrical connection | |
| for main current circuit | box terminal |
| for auxiliary contacts | Box terminals |
| Requirements | |
| design of the fuse link | |
| for short-circuit protection of the main circuit / required | fuse gL/gG: 40 A |
| for short-circuit protection of the auxiliary switch / required | fuse gL/gG: 10 A |
| Mechanical Design | |
| height | 60 mm |
| width | 47 mm |
| depth | 77 mm |
| fastening method | Built-in unit fixed-mounted version |
| fastening method | |
| 4-hole front mounting | No |
| front mounting with central attachment | No |
| rail mounting | Yes |
| | |
| net weight | 200 g |
| | 200 g |
| net weight | 200 g |
| net weight Environmental conditions | -25 °C |
| net weight Environmental conditions ambient temperature / during operation • minimum • maximum | -25 °C 55 °C |
| net weight Environmental conditions ambient temperature / during operation • minimum | -25 °C |



Confirmation









other

Miscellaneous

Further information

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=3LD3230-1TK13

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

https://support.industry.siemens.com/cs/ww/en/ps/3LD3230-1TK13

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD3230-1TK13

CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications

