SIEMENS

Data sheet

3LD3140-0TL13



Load disconnector 3LD3, lu 25 A Main switch 3-pole + N Rated operating capacity at AC-23 A at 400V 9.0kW floor mounting Basic switch with door coupling Central hole mounting 22.5mm Toggle drive red / yellow 48x48 mm

| 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 | 4 | |
| number of poles / note | 4 | |
| type of device | fixed mounting | |
| type of switch | Floor mounting with door coupling | |
| 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 | 4 kA2.s | |
| let-through I2t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum | 4 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 | IP65 | |
| degree of protection NEMA rating | 1, 3R, 4X, 12 | |
| protection class IP / on the front | IP65 | |
| Dissipation | | |
| power loss [W] | | |
| for rated value of the current / at AC / in hot operating state / per pole | 1.1 W | |
| per conductor / typical | 1 W | |
| Current | | |
| operational current | | |
| • at 40 °C / rated value | 25 A | |
| • at 45 °C / rated value | 25 A | |
| • at 50 °C / rated value | 25 A | |
| • at 55 °C / rated value | 25 A | |

| At AC / rated value At AC / rated value AC / rated value | | |
|--|---|--------|
| | at AC / rated value | 25 A |
| • et AC-21 A/ at 240 V / rated value 25 A operational current / of upstream lsss / rated value 25 A is et AQ-V / for combination switch * g5 lsss / 3.5 kA maximum • at 600 V / for combination switch * g5 lsss / 4 kA Main circuit • at 600 V / for combination switch * g5 lsss / 4 kA maximum permissible • at 600 V / for combination switch * g5 lsss / 4 kA operating power • at AC-23 A / at 200 V / rated value 4 kW • at AC-23 A / at 200 V / rated value 10 kW • at AC-23 A / at 200 V / rated value 9 kW • at AC-23 A / at 200 V / rated value 9 kW • at AC-31 A/ at 200 V / rated value 8 kW • at AC-32 A / at 400 V / rated value 8 kW • at AC-31 A/ at 400 V / rated value 8 kW • at AC-31 A/ at 400 V / rated value 25 A Auxiliary contacts / for auxiliary contacts 0 number of C0 contacts / for auxiliary contacts 0 number of C0 contacts / for auxiliary contacts 0 operating value / of the auxiliary contacts 0 operating value / of the auxiliary contacts 0 number of C0 contacts / for auxiliary contacts 0 operating value / of the auxiliary contacts 0 subtabity for use • • auxiliary | at AC-23 A / at 400 V / rated value | 20 A |
| • et AC-21 A/ aft 4d V) / Inted value 25 A operational current / of upstream fuse / rated value 25 A • et 440 V / for combination switch + gG bas / maximum 3.5 kA • at 400 V / for combination switch + gG bas / maximum 3.5 kA • at 400 V / for combination switch + gG bas / maximum 4 kA • at 400 V / for combination switch + gG bas / maximum 4 kA • at AC-23 A / at 200 V / rated value 4 kW • at AC-23 A / at 400 V / rated value 9 kW • at AC-3 A / at 400 V / rated value 9 kW • at AC-3 A / at 400 V / rated value 9 kW • at AC-3 A / at 600 V / rated value 9 kW • at AC-3 / at 400 V / rated value 9 kW • at AC-3 / at 400 V / rated value 25 A Auxiliary contracts 0 rumber of Co contracts / for auxiliary contracts 0 rumber of CO contracts / for auxiliary contracts 0 operating yoltsge / of auxiliary contracts 0 operating yoltsge / of auxiliary contracts 0 A insultion value / of auxiliary contracts 0 A insultion value / of auxiliary contracts 0 A insultion value / of | at AC-21 / at 690 V / rated value | 25 A |
| generational current / of updarteam fuse / rated value 25 A let-through current / with closed switch 26 A et-through current / with closed switch + gG fuse / maximum permissible 3.5 kA maximum permissible 4 kA vitil of control | at AC-21 A / at 240 V / rated value | 25 A |
| lethrough current / whi closed switch 3.5 kA ext 680 V / for combination switch + gG fuse / maximum permissible 3.5 kA maximum permissible 4.kA ext 680 V / for combination switch + gG fuse / maximum permissible 4.kA ext AC 23 A / at 240 V / rated value 4.kA ext AC 23 A / at 240 V / rated value 10 kW ext AC 23 A / at 240 V / rated value 9.kW ext AC 23 A / at 240 V / rated value 9.kW ext AC 23 A / at 240 V / rated value 9.kW ext AC 23 A / at 240 V / rated value 9.kW ext AC 21 / at 260 V / rated value 7.5 kW operational current / rated value 25 A Accal / at 260 V / rated value 7.5 kW operational current / rated value 0 number of KC conteals / for auxiliary contacts 0 number of KC conteals / for auxiliary contacts 00 V continuous current / of the auxiliary contacts 00 V contacts / for auxiliary contacts 00 V contacts / for auxiliary contact 00 V contact of for auxiliary contact 00 V contact of for auxiliary contact 00 V contact of for auxiliary contact 00 V <td> at AC-21 A / at 440 V / rated value </td> <td>25 A</td> | at AC-21 A / at 440 V / rated value | 25 A |
| | operational current / of upstream fuse / rated value | 25 A |
| maximum a KA maximum permissible KA operating power 4 at AC:23 A / at 400 V / rated value 4 at AC:23 A / at 400 V / rated value 10 kW at AC:23 A / at 400 V / rated value 9 kW at AC:23 A / at 400 V / rated value 9 kW at AC:23 A / at 400 V / rated value 9 kW at AC:23 A / at 400 V / rated value 9 kW at AC:23 A / at 400 V / rated value 9 kW at AC:23 A / at 400 V / rated value 2 kW at AC:23 A / at 600 V / rated value 2 kW at AC:23 A / at 600 V / rated value 2 kW at AC:23 / at 600 V / rated value 2 kW operating value value 25 A Auxiliary circuit 0 number of NC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 operating value / for auxiliary contacts 0 A issubitity ortuge / of auxiliary contacts 0 A subth disconnector Yes • maintenance/repair witch / rated value 500 V Sutability Yes • maintenance/repair witch Yes < | let-through current / with closed switch | |
| • at 600 V / for combination switch + gG fuse / maximum permissible 4 kA Main circuit • at Ac-23 A / at 240 V / rated value 4 kW • at Ac-23 A / at 240 V / rated value 10 kW • at Ac-23 A / at 240 V / rated value 9 kW • at Ac-23 A / at 240 V / rated value 9 kW • at Ac-23 A / at 240 V / rated value 9 kW • at Ac-23 A / at 240 V / rated value 9 kW • at Ac-37 at 240 V / rated value 8 kW • at Ac-37 at 240 V / rated value 25 A Auxiliary circuit 75 kW rumber of Co contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 operating courcert / rated value 500 V contacts / for auxiliary contacts 0 operating courcert / rated value 500 V continuous current / of the auxiliary contacts 0 operating voltage / of the auxiliary contacts / rated value 500 V Sutability for use • • main switch Yes • suitch disconnector Yes • main switch Yes • suitch disconnector Yes • ander point disconnector Yes • ander point disconnector Yes • ander point disconnector Yes • aneidenance/r | at 440 V / for combination switch + gG fuse / | 3.5 kA |
| maximum permissible Main Circuit • at AC-23 A / at 240 V / rated value 4 KW • at AC-23 A / at 440 V / rated value 10 KW • at AC-23 A / at 440 V / rated value 9 KW • at AC-33 A / at 400 V / rated value 9 KW • at AC-3 A / at 600 V / rated value 9 KW • at AC-3 / at 800 V / rated value 8 KW • at AC-3 / at 800 V / rated value 25 A Auxiliary decreat 0 number of CO contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 ortniucus current / of the auxiliary contact / at AC / maximum 500 V continuous current / of the auxiliary contact / at AC / maximum 500 V subshifty for use • • main switch Yes • saidely switch Yes • saidely switch Yes • asidely switch Yes • asidely switch Yes • asidely switch Yes • asidely sw | maximum | |
| Main circuit operating power • at AC-23 A / at 40 V / rated value 4 kW • at AC-23 A / at 400 V / rated value 10 kW • at AC-23 A / at 400 V / rated value 9 kW • at AC-23 A / at 400 V / rated value 9 kW • at AC-33 / at 400 V / rated value 9 kW • at AC-33 / at 400 V / rated value 9 kW • at AC-3 / at 400 V / rated value 9 kW • at AC-3 / at 400 V / rated value 8 kW • at AC-3 / at 400 V / rated value 7.5 kW • perational current / rated value 7.5 kW • gerating incurrent / rated value 0 • number of NC contacts / for auxiliary contacts 0 • number of NC contacts / for auxiliary contacts 0 • number of NC contacts / for auxiliary contacts 0 • ordin switch 7 kes • main switch Yes • safet yswitch Yes • safet yswitch Yes • asafet yswitch Yes • cont b locked into QFF position Yes • number of tracket locks / maximum 2 • number of tracket locks / maximum 2 • number of tracket locks / maximum 2 • asafet yswitch Yes • asafet yswitch Yes • asafet yswitch Ye | | 4 kA |
| operating power at AC-23 A / at 240 V / rated value at AC-23 A / at 440 V / rated value bt AV at AC-23 A / at 440 V / rated value bt AV at AC-23 A / at 440 V / rated value bt AV at AC-23 A / at 440 V / rated value bt AV at AC-23 A / at 440 V / rated value bt AV at AC-23 A / at 440 V / rated value bt AV at AC-3 / at 260 V / rated value bt AV at AC-3 / at 260 V / rated value bt AV at AC-3 / rated value bt AV <libt av<="" li=""> bt AV</libt> | | |
| • ai AC-23 A / at 240 V / rated value 4 kW • ai AC-23 A / at 400 V / rated value 9 kW • ai AC-23 A / at 400 V / rated value 9 kW • ai AC-23 / at 240 V / rated value 9 kW • ai AC-31 / at 400 V / rated value 8 kW • ai AC-3 / at 400 V / rated value 8 kW • ai AC-3 / at 400 V / rated value 75 kW operational current / rated value 75 kW operational current / rated value 0 number of NC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 operating voltage / of the auxiliary contact / rated value 500 V continuous current / of the auxiliary contact / rated value 500 V continuous current / of the auxiliary switch / rated value 500 V switch disconnector Yes • main switch Yes • EMERGENCY OFF switch Yes • safety switch Yes • can be locked into DFF position Yes number of backet locks / minimum 4 mm hasp thickness / of the bracket locks / minimum 6 mm special product feature Can be locked in zero position or | Main circuit | |
| | operating power | |
| | at AC-23 A / at 240 V / rated value | 4 kW |
| | at AC-23 A / at 400 V / rated value | 10 kW |
| • at AC-3 / at 240 V / rated value 4 kW • at AC-3 / at 240 V / rated value 8 kW • at AC-3 / at 3600 / rated value 25 A Auxiliary circuit 7.5 kW number of CO contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 operating voltage / of auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 operating voltage / of the auxiliary contacts 0 continuous current / of the auxiliary contacts / at AC / maximum 500 V continuous current / of the auxiliary contact / rated value 10 A insulation voltage / of the auxiliary contact / rated value 500 V suitability switch disconnector switch disconnector Yes • nain switch Yes • adit yes witch Yes • adit aduating element red Product feature Can be locke | at AC-23 A / at 440 V / rated value | 9 kW |
| • at AC-3 / at 900 V / rated value 8 kW • at AC-3 / at 900 V / rated value 7.5 kW operational current / rated value 25 A Auxiliary circuit 0 number of CO contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 or operating voltage / of auxiliary contacts / at AC / maximum 500 V continuous current / of the auxiliary contacts / rated value 500 V continuous current / of the auxiliary contacts / rated value 500 V Suitability 500 V suitability for use • • nain switch Yes • switch disconnector Yes • safety switch Yes • affety switch Yes • and be locked into OFF position Yes • number of bracket locks / maximum 2 number of bracket locks / maximum 2 • hasp thickness / of the bracket locks / maximum 6 mm special product feature Can be locked in zero position • ordage trigger No special product feature 6 mm • ordage trigger | at AC-23 A / at 690 V / rated value | 9 kW |
| • at AC-3 / at 690 V / rated value 7.5 kW operational current / rated value 25.A Availary circuit 0 number of NC contacts / for auxiliary contacts 0 operating voltage / of auxiliary contacts 0 operating voltage / of auxiliary contacts 0 continuous current / of the auxiliary contacts 00 V continuous current / of the auxiliary contact / rated value 500 V suitability for 500 V suitability for use 500 V • main switch Yes • witch disconnector Yes • safety switch Yes • maintenance/repair switch Yes Appearance color / of the actualing element product feature Yes • can be locked into OFF position Yes number of bracket locks / maximum 6 mm hasp thickness / of the bracket locks / maximum 6 mm sporating reginger No • voltage trigger No §operating voltage / of use / rated value 6 kA gerational current / with line-side fuse protection 6 kA <td> at AC-3 / at 240 V / rated value </td> <td>4 kW</td> | at AC-3 / at 240 V / rated value | 4 kW |
| operational current / rated value 25 A Auxiliary circuit | at AC-3 / at 400 V / rated value | 8 kW |
| Auxillary circuit Image: contracts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 0 operating voltage / of the auxiliary contacts / at AC / maximum 500 V 0 continuous current / of the auxiliary contact / rated value 10 A 10 A insulation voltage / of the auxiliary contact / rated value 500 V 0 Suitability suitability 500 V 500 V Suitability suitability for use 10 A 10 A insulation voltage / of the auxiliary switch / rated value 500 V 500 V Suitability suitability 500 V 500 V Suitability for use - <td< td=""><td>• at AC-3 / at 690 V / rated value</td><td>7.5 kW</td></td<> | • at AC-3 / at 690 V / rated value | 7.5 kW |
| number of CO contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 operating voltage / of auxiliary contacts 0 operating voltage / of auxiliary contacts 0 insulation voltage / of auxiliary contacts 0 operating voltage / of auxiliary contacts 10 A insulation voltage / of the auxiliary contact / rated value 500 V suitability Yes - anal colacid in oOFF position Yes - number of br | operational current / rated value | 25 A |
| number of CO contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 operating voltage / of auxiliary contacts 0 operating voltage / of auxiliary contacts 0 insulation voltage / of auxiliary contacts 0 operating voltage / of auxiliary contacts 10 A insulation voltage / of the auxiliary contact / rated value 500 V suitability Yes - anal colacid in oOFF position Yes - number of br | Auxiliary circuit | |
| number of NC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 operating voltage / of auxiliary contacts A C / maximum 500 V continuous current / of the auxiliary contact / rated value 10 A suitability 10 A suitability 500 V suitability | | 0 |
| number of NO contacts / for auxillary contacts 0 operating voltage / of auxillary contact / rated value 10 A insulation voltage / of the auxillary contact / rated value 500 V suitability 500 V cold class 700 V <tr< td=""><td></td><td></td></tr<> | | |
| operating voltage / of auxiliary contacts / at AC / maximum 500 V continuous current / of the auxiliary contact / rated value 10 A insulation voltage / of the auxiliary switch / rated value 500 V Suitability south of the auxiliary switch / rated value 500 V Suitability suitability for use 90 V • main switch Yes 90 V • switch disconnector Yes 90 V • switch disconnector Yes 90 V • switch disconnector Yes 90 V • safety switch Yes 90 V • main switch Yes 90 V Product details 90 V 90 V product feature • can be locked into OFF position Yes • number of bracket locks / maximum 2 10 Amm hasp thickness / of the bracket locks / maximum 6 mm 9 mm special product feature Can be locked in zero position 9 mm product testure insion / optional • notor drive No No • voltage trigger No 9 kat 400 V / by gG fuse / rated value | | |
| continuous current / of the auxiliary contact / rated value 10 A insulation voltage / of the auxiliary switch / rated value 500 V Suitability 500 v suitability for use • main switch • switch disconnector Yes • EMERGENCY OFF switch Yes • maintenance/repair switch Yes • maintenance/repair switch Yes • maintenance/repair switch Yes • color / of the actuating element red Product details red product feature 2 • number of bracket locks / maximum 2 hasp thickness / of the bracket locks / maximum 6 mm special product feature Can be locked in zero position product details No special product feature No special product feature No ort of rive No • voltage trigger No Short circuit 0 kA conditional short-circuit current / with line-side fuse 10 kA e at 690 V / by G fuse / rated value 6 kA according UL 00 V operating voltage / at AC / at 50/60 Hz / according to UL 500 V 600 V 508/UL 60947-4-1 / rated value 600 V operating voltage / at AC / at 600 V / | | |
| insulation voltage / of the auxillary switch / rated value 500 V Suitability suitability for use • main switch Yes • switch disconnector Yes • EMERGENCY OFF switch Yes • safety switch Yes • maintenance/repair switch Yes • maintenance/repair switch Yes • maintenance/repair switch Yes Product details red product details product feature • can be locked into OFF position Yes number of bracket locks / maximum 2 hasp thickness / of the bracket locks / maximum 6 mm special product feature Can be locked in zero position product details No special product feature Can be locked in zero position product extension / optional No • woltage trigger No Short circuit 0 coording UL 6 kA according UL 600 V operating voltage / at AC / at 50/60 Hz / according to UL 600 V s08VL 60947-4-1 / rated value 10 active power (hpi) / at AC / at 600 V / according to UL 50 | | |
| Suitability suitability suitability for use • main switch • switch disconnector Yes • EMERGENCY OFF switch Yes • safety switch • maintenance/repair switch Yes • address Color / of the actuating element Product details product feature • aca be locked into OFF position Yes number of bracket locks / maximum Appearance Color / of the bracket locks / maximum Page thickness / of the bracket locks / maximum 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 440 V / by gG fuse / rated value • at 440 V / by gG fuse / rated value • at 440 V / by gG fuse / rated value • at 440 V / by gG fuse / rated value | | |
| suitability for use Yes • main switch Yes • switch disconnector Yes • EMERGENCY OFF switch Yes • maintenance/repair switch Yes • otor / of the actuating element red Product details product feature • • can be locked into OFF position Yes number of bracket locks / maximum 2 hasp thickness / of the bracket locks / maximum 6 mm special product feature Can be locked in zero position product extension / optional No • voltage trigger No Short circuit 10 kA conditional short-circuit current / with line-side fuse protection 6 kA exterording UL 25 A operating voltage / at AC / at 50/00 Hz / according to UL 508/UL coldyt7-4-1 / rated value 600 V operating voltage / at AC / at 50/00 Hz / according to UL 508/UL coblex power [hp] / at AC / at 600 V / according to UL 10 soBkUL 60947-4-1 / rated value | | 500 V |
| • main switch Yes • switch disconnector Yes • EMERGENCY OFF switch Yes • safety switch Yes • maintenance/repair switch Yes • maintenance/repair switch Yes Appearance red color / of the actuating element red Product details product feature • can be locked into OFF position Yes number of bracket locks / maximum 4 mm hasp thickness / of the bracket locks / minimum 4 mm hasp thickness / of the bracket locks / maximum 6 mm special product feature Can be locked in zero position product extension / optional No • voltage trigger No Short circuit 0 conditional short-circuit current / with line-side fuse protection 6 kA according UL 0 kA operation al current / at AC / at 50/80 Hz / according to UL 508/UL 60947-4-1 / rated value 600 V obsVL 60947-4-1 / rated value 600 V obsVL 60947-4-1 / rated value 10 active power (hp) / at AC / at 800 V / according to UL 508/UL 60947-4-1 / rated value 600 V | | |
| switch disconnector EMERGENCY OFF switch safety switch realtreance/repair switch Yes maintenance/repair switch Yes Appearance color / of the actuating element red Product details product feature can be locked into OFF position Yes number of bracket locks / maximum 2 hasp thickness / of the bracket locks / maximum special product feature can be locked into OFF position Yes number of bracket locks / maximum 2 hasp thickness / of the bracket locks / maximum 6 mm special product feature Can be locked in zero position special product extension / optional motor drive No Short circuit conditional short-circuit current / with line-side fuse protection at 440 V / by gG fuse / rated value to kA at 690 V / by gG fuse / rated value to kA at 690 V / by gG fuse / rated value to kA at 690 V / by gG fuse / rated value to kA at 690 V / by gG fuse / rated value to kA at 690 V / by gG fuse / rated value to kA at 690 V / by gG fuse / rated value to kA at 690 V / by gG fuse / rated value to kA at 690 V / by GG fuse / rated value to kA to cording tou | | N/ |
| • EMERGENCY OFF switch Yes • safety switch Yes • maintenance/repair switch Yes Appearance | | |
| • safety switch Yes • maintenance/repair switch Yes Appearance color / of the actuating element red Product details product feature • can be locked into OFF position Yes • can be locked into OFF position Yes • mumber of bracket locks / maximum 2 hasp thickness / of the bracket locks / maximum 6 mm special product feature Can be locked in zero position product setansion / optional • motor drive No • voltage trigger No Short circuit Conditional short-circuit current / with line-side fuse protection • at 440 V / by gG fuse / rated value 10 kA • at 690 V / by gG fuse / rated value 6 kA • According UL operational current / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value 600 V operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value 600 V 508/UL 60947-4-1 / rated value 600 V soluL 60947-4-1 / rated value 10 508/UL 60947-4-1 / rated value 600 V 508/UL 60947-4-1 / rated value 600 V soluL 60947-4-1 / rated value 10 508/UL 60947-4-1 / rated value | | |
| | | |
| Appearance color / of the actuating element red Product details product feature • can be locked into OFF position Yes number of bracket locks / maximum 2 hasp thickness / of the bracket locks / minimum 4 mm hasp thickness / of the bracket locks / maximum 6 mm special product feature Can be locked in zero position product extension / optional No • motor drive No • othage trigger No Short circuit Conditional short-circuit current / with line-side fuse protection • at 440 V / by gG fuse / rated value 10 kA • at 690 V / by gG fuse / rated value 6 kA according UL 25 A operational current / at AC / according to UL 508/UL 600 V 508/UL 60947-4-1 / rated value 600 V active power [hp] / at AC / at 480 V / according to UL 10 508/UL 60947-4-1 / rated value 10 active power [hp] / at AC / at 480 V / according to UL 10 active power [hp] / at AC / at 600 V / according to UL 15 | - | |
| color / of the actuating element red Product details | · · | Yes |
| Product details product feature • can be locked into OFF position number of bracket locks / maximum 1 hasp thickness / of the bracket locks / minimum 4 mm hasp thickness / of the bracket locks / maximum 6 mm 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 440 V / by gG fuse / rated value • at 690 V / by gG fuse / rated value 0 perational current / at AC / according to UL 508/UL 60947-4-1 / rated value operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value | Appearance | |
| product feature Yes number of bracket locks / maximum 2 hasp thickness / of the bracket locks / minimum 4 mm hasp thickness / of the bracket locks / maximum 6 mm special product feature Can be locked in zero position product extension / optional • motor drive • motor drive No short circuit Conditional short-circuit current / with line-side fuse protection • at 440 V / by gG fuse / rated value 10 kA • at 440 V / by gG fuse / rated value 6 kA according UL 25 A operational current / at AC / according to UL 508/UL 508/UL 508/UL 508/UL 60947-4-1 / rated value 600 V operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 508/UL 60947-4-1 / rated value 600 V active power [hp] / at AC / at 600 V / according to UL 508/UL 508/UL 60947-4-1 / rated value 10 active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value 10 | color / of the actuating element | red |
| | Product details | |
| number of bracket locks / maximum 2 hasp thickness / of the bracket locks / minimum 4 mm hasp thickness / of the bracket locks / maximum 6 mm special product feature Can be locked in zero position product extension / optional • motor drive • motor drive No • voltage trigger No Short circuit Conditional short-circuit current / with line-side fuse protection • at 440 V / by gG fuse / rated value 10 kA • at 690 V / by gG fuse / rated value 6 kA according UL Operational current / at AC / according to UL 508/UL 25 A operational current / at AC / at 50/60 Hz / according to UL 600 V So8/UL 60947-4-1 / rated value 10 active power [hp] / at AC / at 600 V / according to UL 10 So8/UL 60947-4-1 / rated value 10 | product feature | |
| hasp thickness / of the bracket locks / minimum 4 mm hasp thickness / of the bracket locks / maximum 6 mm special product feature Can be locked in zero position product extension / optional No • motor drive No • voltage trigger No Short circuit No conditional short-circuit current / with line-side fuse protection 10 kA • at 440 V / by gG fuse / rated value 10 kA • at 690 V / by gG fuse / rated value 6 kA according UL 25 A operating voltage / at AC / at 50/60 Hz / according to UL 600 V 508/UL 60947-4-1 / rated value 600 V active power [hp] / at AC / at 480 V / according to UL 10 solvalue power [hp] / at AC / at 600 V / according to UL 10 | can be locked into OFF position | Yes |
| hasp thickness / of the bracket locks / maximum 6 mm special product feature Can be locked in zero position product extension / optional No • motor drive No • voltage trigger No Short circuit Conditional short-circuit current / with line-side fuse protection • at 440 V / by gG fuse / rated value 10 kA • at 690 V / by gG fuse / rated value 6 kA according UL 25 A operational current / at AC / according to UL 508/UL 600 V 508/UL 60947-4-1 / rated value 600 V active power [hp] / at AC / at 50/60 Hz / according to UL 10 solvule gover [hp] / at AC / at 600 V / according to UL 10 solvule active power [hp] / at AC / at 600 V / according to UL 10 | number of bracket locks / maximum | 2 |
| special product feature Can be locked in zero position product extension / optional No • motor drive No • voltage trigger No Short circuit conditional short-circuit current / with line-side fuse protection • at 440 V / by gG fuse / rated value 10 kA • 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 600 V operating voltage / at AC / at 50/60 Hz / according to UL 600 V 508/UL 60947-4-1 / rated value 10 active power [hp] / at AC / at 480 V / according to UL 10 active power [hp] / at AC / at 600 V / according to UL 15 | hasp thickness / of the bracket locks / minimum | 4 mm |
| special product feature Can be locked in zero position product extension / optional No • motor drive No • voltage trigger No Short circuit conditional short-circuit current / with line-side fuse protection • at 440 V / by gG fuse / rated value 10 kA • 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 600 V operating voltage / at AC / at 50/60 Hz / according to UL 600 V 508/UL 60947-4-1 / rated value 10 active power [hp] / at AC / at 480 V / according to UL 10 active power [hp] / at AC / at 600 V / according to UL 15 | | 6 mm |
| product extension / optional No • motor drive No • voltage trigger No Short circuit No conditional short-circuit current / with line-side fuse protection 10 kA • at 440 V / by gG fuse / rated value 10 kA • at 690 V / by gG fuse / rated value 6 kA according UL 25 A operational current / at AC / according to UL 508/UL 600 V operational current / at AC / according to UL 600 V soB/UL 60947-4-1 / rated value 600 V active power [hp] / at AC / at 480 V / according to UL 10 soB/UL 60947-4-1 / rated value 10 active power [hp] / at AC / at 600 V / according to UL 15 | | |
| • motor driveNo• voltage triggerNoShort circuitNoconditional short-circuit current / with line-side fuse protection10 kA• at 440 V / by gG fuse / rated value10 kA• at 440 V / by gG fuse / rated value6 kAaccording UL6 kAoperational current / at AC / according to UL 508/UL 60947-4-1 / rated value25 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 value10active power [hp] / at AC / at 600 V / according to UL15 | | |
| • voltage trigger No Short circuit | | No |
| Short circuit conditional short-circuit current / with line-side fuse protection • at 440 V / by gG fuse / rated value 10 kA • at 690 V / by gG fuse / rated value 6 kA according UL 6 kA operational current / at AC / according to UL 508/UL 25 A 60947-4-1 / rated value 600 V operating voltage / at AC / at 50/60 Hz / according to UL 600 V 508/UL 60947-4-1 / rated value 10 active power [hp] / at AC / at 480 V / according to UL 10 508/UL 60947-4-1 / rated value 10 active power [hp] / at AC / at 600 V / according to UL 15 | | |
| conditional short-circuit current / with line-side fuse protection 10 kA • at 440 V / by gG fuse / rated value 10 kA • at 690 V / by gG fuse / rated value 6 kA according UL 0 perational 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 600 V active power [hp] / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value 10 active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value 10 active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value 10 | | |
| protection 10 kA • at 440 V / by gG fuse / rated value 10 kA • at 690 V / by gG fuse / rated value 6 kA according UL 6 kA operational current / at AC / according to UL 508/UL 25 A 60947-4-1 / rated value 600 V operating voltage / at AC / at 50/60 Hz / according to UL 600 V 508/UL 60947-4-1 / rated value 600 V active power [hp] / at AC / at 480 V / according to UL 10 508/UL 60947-4-1 / rated value 10 active power [hp] / at AC / at 600 V / according to UL 15 | | |
| 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 10 | | |
| • at 690 V / by gG fuse / rated value 6 kA according UL 0 operational current / at AC / according to UL 508/UL 25 A 60947-4-1 / rated value 600 V operating voltage / at AC / at 50/60 Hz / according to UL 600 V 508/UL 60947-4-1 / rated value 600 V active power [hp] / at AC / at 480 V / according to UL 10 508/UL 60947-4-1 / rated value 10 active power [hp] / at AC / at 600 V / according to UL 15 | | 10 kA |
| according UL operational current / at AC / according to UL 508/UL 25 A 60947-4-1 / rated value 600 V operating voltage / at AC / at 50/60 Hz / according to UL 600 V 508/UL 60947-4-1 / rated value 600 V active power [hp] / at AC / at 480 V / according to UL 10 508/UL 60947-4-1 / rated value 15 | | |
| operational current / at AC / according to UL 508/UL 25 A 60947-4-1 / rated value 600 V operating voltage / at AC / at 50/60 Hz / according to UL 600 V 508/UL 60947-4-1 / rated value 600 V active power [hp] / at AC / at 480 V / according to UL 10 508/UL 60947-4-1 / rated value 15 | , 0 | |
| 60947-4-1 / rated value 600 V operating voltage / at AC / at 50/60 Hz / according to UL 600 V 508/UL 60947-4-1 / rated value 10 active power [hp] / at AC / at 480 V / according to UL 10 508/UL 60947-4-1 / rated value 15 | | 25.4 |
| operating voltage / at AC / at 50/60 Hz / according to UL 600 V 508/UL 60947-4-1 / rated value 10 active power [hp] / at AC / at 480 V / according to UL 10 508/UL 60947-4-1 / rated value 15 | | 20 A |
| 508/UL 60947-4-1 / rated value 10 active power [hp] / at AC / at 480 V / according to UL 10 508/UL 60947-4-1 / rated value 10 active power [hp] / at AC / at 600 V / according to UL 15 | | 600 V |
| active power [hp] / at AC / at 480 V / according to UL 10 508/UL 60947-4-1 / rated value 10 active power [hp] / at AC / at 600 V / according to UL 15 | | |
| 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 15 | | 10 |
| | | |
| 508/UL 60947-4-1 / rated value | | 15 |
| | 508/UL 60947-4-1 / rated value | |

| short-time withstand current (SCCR) / at 600 V / according to UL 508/UL 60947-4-1 | 5 kA |
|---|-------------------------------------|
| 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 mm ²) |
| finely stranded / with core end processing | 1x (2.516 mm ²) |
| stranded | 1x (2.5 to 16 mm ²) |
| 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: 25 A |
| for short-circuit protection of the auxiliary switch / required | fuse gL/gG: 10 A |
| Mechanical Design | |
| height | 60 mm |
| width | 49 mm |
| depth | 380 mm |
| fastening method | Built-in unit fixed-mounted version |
| fastening method | |
| 4-hole front mounting | No |
| front mounting with central attachment | Yes |
| ● rail mounting | Yes |
| net weight | 300 g |
| Environmental conditions | |
| ambient temperature / during operation | |
| • minimum | -25 °C |
| maximum | 55 °C |
| ambient temperature / during storage / minimum | -25 °C |
| General Product Approval | Declaration of Conformity |
| | |

other

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=3LD3140-0TL13 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3LD3140-0TL13 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD3140-0TL13 CAx-Online-Generator http://www.siemens.com/cax Tender specifications http://www.siemens.com/specifications

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