## SIEMENS

## Data sheet

## 3LD3154-1TL53



Load disconnector 3LD3, lu 25 A Main switch 3-pole + N Rated operating capacity at AC-23 A at 400V 9.0kW Front plate mounting Basic switch with Central hole mounting 22.5mm Toggle drive red / yellow 66x66 mm with auxiliary switch 10E + 1S

product brand name         SENTRON           product designation         3LD Switch disconnector           design of the product         EMERCENCY-STOP switch           display version / for switch position indicator manual operation         1ON - 0 OFF           type of switch         front mounted           design of the actuating element         red           color / of the actuating element         red           design of handle         rotary operating mechanism, red/yellow           type of the driving mechanism / motor drive         No           Ceneral technical data	Model	
design of the product         EMERGENCY-STOP switch           display version / for switch position indicator manual operation         1 ON - 0 OFF           type of switch         front mounted           design of the actuating element         Short rotary knob           color / of the actuating element         red           design of the actuating element         red           other of phales         4           number of poles         4           number of poles         4           number of poles         6           electrical endurance (witching cycles) / typical         100 000           electrical endurance (witching cycles)         6000           operating frequency / maximum         50 1/h           degree of polition         3           Voltage         600 V           <	product brand name	SENTRON
display version / for switch position indicator manual operation       1 ON - 0 OFF         type of switch       front mounted         design of the actuating element       Short rotary knob         color / of the actuating element       red         design of handle       rotary operating mechanism, red/yellow         type of the driving mechanism / motor drive       No         General technical data	product designation	3LD Switch disconnector
operation         front mounted           design of the actuating element         red           color / of the actuating element         red           design of handle         rotary operating mechanism, red/yellow           type of the driving mechanism / motor drive         No           General technical data	design of the product	EMERGENCY-STOP switch
design of the actuating element       Short rotary knob         color / of the actuating element       red         design of handle       rotary operating mechanism, red/yellow         type of the driving mechanism / motor drive       No         General technical data       number of poles         number of poles / note       4         mechanical service life (switching cycles) / typical       100 000         electrical endurance (switching cycles) / typical       6 000         operating frequency / maximum       50 1/h         degree of pollution       3         Voltage       Insulation voltage / rated value         operating frequency / maximum       680 V         surge voltage resistance / rated value       690 V         operating frequency / rated value       690 V         operating voltage       61 kV         operating frequency / rated value       690 V         operating frequency / rated value       690 V         operating frequency / rated value       600 V         operating frequency / rated value       690 V         operating frequency / rated value       690 V         operating frequency / rated value       690 V         operating frequency / rated value       70 Hz         degree of protection class IP		1 ON - 0 OFF
color / of the actuating element       red         design of handle       rotary operating mechanism, red/yellow         type of the driving mechanism / motor drive       No         General technical data       Inumber of poles / note         number of poles / note       4         number of poles / note       4         number of poles / note       4         mechanical service life (switching cycles) / typical       100 000         electrical endurance (switching cycles)       6 000         operating frequency / maximum       50 1/h         degree of pollution       3         Voltage	type of switch	front mounted
design of handle       rotary operating mechanism, red/yellow         type of the driving mechanism / motor drive       No         General technical data	design of the actuating element	Short rotary knob
type of the driving mechanism / motor drive       No         General technical data	color / of the actuating element	red
General technical data         number of poles       4         number of poles / note       4         mechanical service life (switching cycles) / typical       100 000         electrical endurance (switching cycles)       6 000         operating frequency / maximum       6 000         operating frequency / maximum       50 1/h         degree of pollution       3         Voltage       690 V         insulation voltage / rated value       690 V         operating voltage resistance / rated value       690 V         operating requency / maximum       60 V         operating voltage       61 V         • at AC / rated value       690 V         operating requency / rated value       690 V         operating frequency / rated value       70 Hz         protection class IP       1.3R, 4X, 12         protection class IP / on the front       1065         Dissipa	design of handle	rotary operating mechanism, red/yellow
number of poles       4         number of poles / note       4         mechanical service life (switching cycles) / typical       100 000         electrical endurance (switching cycles)       6 000         operating frequency / maximum       6 000         operating frequency / maximum       50 1/h         degree of pollution       3         Voltage       690 V         insulation voltage / rated value       690 V         operating voltage resistance / rated value       690 V         operating voltage       64V         operating requency / rated value       690 V         operating voltage       64V         operating requency / rated value       690 V         operating frequency / rated value       70 Hz         maximum       50 Hz         protection class IP       1.3R, 4X, 12         protection class IP / on the front       1P65 <b>Dissipation</b> 1.1 W         power loss [W] / for rated value of the current / at AC / in hot operating state / per pole       25 A<	type of the driving mechanism / motor drive	No
number of poles / note       4         mechanical service life (switching cycles) / typical       100 000         electrical endurance (switching cycles)       6         • at AC-23 A / at 690 V       6 000         operating frequency / maximum       50 1/h         degree of pollution       3         Voltage       690 V         insulation voltage / rated value       690 V         surge voltage resistance / rated value       690 V         operating trequency / maximum       600 V         operating tottage resistance / rated value       690 V         operating frequency / rated value       50 Hz         protection class IP       IP65         degree of protection NEMA rating       1, 3R, 4X, 12         protection class IP / on the front       IP65         Dissipation	General technical data	
mechanical service life (switching cycles) / typical       100 000         electrical endurance (switching cycles)       6 000         operating frequency / maximum       50 1/h         degree of pollution       3         Voltage       insulation voltage / rated value         insulation voltage / rated value       690 V         surge voltage resistance / rated value       690 V         operating voltage       6100         • at AC / rated value       690 V         operating voltage       690 V         • at AC / rated value       690 V         operating voltage       690 V         • at AC / rated value       690 V         operating frequency / rated value       600 Hz         Protection class IP       10 P65         degree of protection NEMA rating       1, 3R, 4X, 12         protection class IP / on the front       IP65         Dissipation       1.1 W         pover loss [W] / for rated value of the current / at AC / in hot operating state / per pole       25 A         operational	number of poles	4
electrical endurance (switching cycles)       6 000         operating frequency / maximum       50 1/h         degree of pollution       3         Voltage       690 V         insulation voltage / rated value       690 V         surge voltage resistance / rated value       64V         operating voltage       6 kV         operating trequency / rated value       690 V         operating voltage       6 kV         operating frequency / rated value       690 V         operating frequency / rated value       690 V         operating frequency / rated value       600 V         operating frequency / rated value       60 Hz         Protection class IP       IP65         degree of protection NEMA rating       1, 3R, 4X, 12         protection class IP / on the front       IP65         Dissipation       1.1 W         power loss [W] / for rated value of the current / at AC / in hot operating state / per pole       25 A         operational current / rated value       25 A	number of poles / note	4
• at AC-23 A / at 690 V       6 000         operating frequency / maximum       50 1/h         degree of pollution       3         Voltage       690 V         insulation voltage / rated value       690 V         surge voltage resistance / rated value       690 V         operating voltage       690 V         • at AC / rated value       690 V         operating requency / rated value       690 V         operating frequency / rated value       50 Hz         e maximum       50 Hz         for tection class IP       IP65         degree of protection NEMA rating       1, 3R, 4X, 12         protection class IP / on the front       IP65         Dissipation       1.1 W         power loss [W] / for rated value of the current / at AC / in hot operating state / per pole       25 A         operational current / rated value       <	mechanical service life (switching cycles) / typical	100 000
operating frequency / maximum         50 1/h           degree of pollution         3           Voltage         690 V           insulation voltage / rated value         690 V           surge voltage resistance / rated value         6 kV           operating voltage         690 V           • at AC / rated value         690 V           operating frequency / rated value         600 Hz           Protection class         Protection class IP           protection class IP         IP65           degree of protection NEMA rating         1, 3R, 4X, 12           protection class IP / on the front         IP65           Dissipation         1.1 W           power loss [W] / for rated value of the current / at AC / in hot operating state / per pole         25 A           operational current / rated value         25 A	electrical endurance (switching cycles)	
degree of pollution       3         Voltage       insulation voltage / rated value       690 V         surge voltage resistance / rated value       6 kV         operating voltage       690 V         • at AC / rated value       690 V         operating frequency / rated value       690 V         • minimum       50 Hz         • maximum       60 Hz         Protection class       Protection class IP         protection class IP / on the front       IP65         Dissipation       1, 3R, 4X, 12         power loss [W] / for rated value of the current / at AC / in hot operating state / per pole       1.1 W         Operational current       25 A	• at AC-23 A / at 690 V	6 000
Voltage         insulation voltage / rated value       690 V         surge voltage resistance / rated value       6 kV         operating voltage       690 V         operating frequency / rated value       690 V         operating frequency / rated value       690 V         operating frequency / rated value       60 Hz         • maximum       50 Hz         • maximum       60 Hz         Protection class       1, 3R, 4X, 12         protection class IP       IP65         degree of protection NEMA rating       1, 3R, 4X, 12         protection class IP / on the front       IP65         Dissipation       11 W         power loss [W] / for rated value of the current / at AC / in hot operating state / per pole       1.1 W         Operational current       25 A         operational current       25 A	operating frequency / maximum	50 1/h
insulation voltage / rated value       690 V         surge voltage resistance / rated value       6 kV         operating voltage       690 V         • at AC / rated value       690 V         operating frequency / rated value       690 V         • minimum       50 Hz         • maximum       60 Hz         Protection class       1, 3R, 4X, 12         protection class IP       IP65         degree of protection NEMA rating       1, 3R, 4X, 12         protection class IP / on the front       IP65         Dissipation       1.1 W         power loss [W] / for rated value of the current / at AC / in hot operating state / per pole       1.1 W         Operational current / rated value       25 A	degree of pollution	3
surge voltage resistance / rated value       6 kV         operating voltage       690 V         operating frequency / rated value       690 V         operating frequency / rated value       60 Hz         • minimum       60 Hz         Protection class       1065         protection class IP       IP65         degree of protection NEMA rating       1, 3R, 4X, 12         protection class IP / on the front       IP65         Dissipation       11 W         power loss [W] / for rated value of the current / at AC / in hot operating state / per pole       1.1 W         Operational current       25 A         operational current       25 A	Voltage	
operating voltage       690 V         operating frequency / rated value       690 V         operating frequency / rated value       60 Hz         • minimum       60 Hz         Protection class       60 Hz         protection class IP       IP65         degree of protection NEMA rating       1, 3R, 4X, 12         protection class IP / on the front       IP65         Dissipation       IP65         Dissipation       1.1 W         power loss [W] / for rated value of the current / at AC / in hot operating state / per pole       1.1 W         operational current / rated value       25 A	insulation voltage / rated value	690 V
• at AC / rated value       690 V         operating frequency / rated value       50 Hz         • minimum       60 Hz         Protection class       60 Hz         protection class IP       IP65         degree of protection NEMA rating       1, 3R, 4X, 12         protection class IP / on the front       IP65         Dissipation       IP65         power loss [W] / for rated value of the current / at AC / in hot operating state / per pole       1.1 W         operational current / rated value       25 A         operational current       25 A	surge voltage resistance / rated value	6 kV
operating frequency / rated value       50 Hz         • maximum       60 Hz         Protection class          protection class IP       IP65         degree of protection NEMA rating       1, 3R, 4X, 12         protection class IP / on the front       IP65         Dissipation          power loss [W] / for rated value of the current / at AC / in hot operating state / per pole       1.1 W         Current       25 A         operational current / rated value       25 A	operating voltage	
• minimum       50 Hz         • maximum       60 Hz         Protection class	• at AC / rated value	690 V
maximum 60 Hz      Protection class      protection class IP     iP65     degree of protection NEMA rating     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     Current     operational current / rated value     25 A	operating frequency / rated value	
Protection class       IP65         degree of protection NEMA rating       1, 3R, 4X, 12         protection class IP / on the front       IP65         Dissipation       IP65         power loss [W] / for rated value of the current / at AC / in hot operating state / per pole       1.1 W         Current       25 A         operational current       25 A         • at 40 °C / rated value       25 A	• minimum	50 Hz
protection class IP       IP65         degree of protection NEMA rating       1, 3R, 4X, 12         protection class IP / on the front       IP65         Dissipation       IP65         power loss [W] / for rated value of the current / at AC / in hot operating state / per pole       1.1 W         Current       25 A         operational current       25 A         • at 40 °C / rated value       25 A	• maximum	60 Hz
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         Current       25 A         operational current       25 A         • at 40 °C / rated value       25 A	Protection class	
protection class IP / on the front       IP65         Dissipation       IP65         power loss [W] / for rated value of the current / at AC / in hot operating state / per pole       1.1 W         Current       0perational current / rated value         operational current       25 A         operational current       25 A	protection class IP	IP65
Dissipation         power loss [W] / for rated value of the current / at AC / in hot operating state / per pole       1.1 W         Current       operational current / rated value       25 A         operational current       25 A         • at 40 °C / rated value       25 A	degree of protection NEMA rating	1, 3R, 4X, 12
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole       1.1 W         Current	protection class IP / on the front	IP65
hot operating state / per pole       Current       operational current / rated value     25 A       operational current     25 A       • at 40 °C / rated value     25 A	Dissipation	
operational current / rated value     25 A       operational current     25 A       • at 40 °C / rated value     25 A	power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	1.1 W
operational current     • at 40 °C / rated value     25 A	Current	
• at 40 °C / rated value 25 A	operational current / rated value	25 A
	operational current	
• at 45 °C / rated value 25 A	<ul> <li>at 40 °C / rated value</li> </ul>	25 A
	• at 45 °C / rated value	25 A

a at E0 °C / rated value	
• at 50 °C / rated value	25 A
• at 55 °C / rated value	25 A
at AC / rated value	25 A
Main circuit	
operational current	
<ul> <li>at AC-21 / at 690 V / rated value</li> </ul>	25 A
<ul> <li>at AC-21 A / at 240 V / rated value</li> </ul>	25 A
<ul> <li>at AC-21 A / at 400 V / rated value</li> </ul>	32 A
<ul> <li>at AC-21 A / at 440 V / rated value</li> </ul>	25 A
• at AC-23 A / at 400 V / rated value	20 A
operating power	
<ul> <li>at AC-23 A / at 240 V / rated value</li> </ul>	4 kW
<ul> <li>at AC-23 A / at 400 V / rated value</li> </ul>	10 kW
<ul> <li>at AC-23 A / at 440 V / rated value</li> </ul>	9 kW
<ul> <li>at AC-23 A / at 690 V / rated value</li> </ul>	9 kW
<ul> <li>at AC-3 / at 240 V / rated value</li> </ul>	4 kW
• at AC-3 / at 400 V / rated value	8 kW
• at AC-3 / at 690 V / rated value	7.5 kW
Auxiliary circuit	
number of CO contacts / for auxiliary contacts	0
number of NC contacts / for auxiliary contacts	1
number of NO contacts / for auxiliary contacts	1
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	
suitability for use	
main switch	Yes
<ul> <li>switch disconnector</li> </ul>	Yes
<ul> <li>EMERGENCY OFF switch</li> </ul>	Yes
<ul> <li>safety switch</li> </ul>	Yes
<ul> <li>maintenance/repair switch</li> </ul>	Yes
maintenance/repair switch  Product details	Yes
	Yes Can be locked in zero position
Product details	
Product details special product feature product feature / can be locked into OFF position	Can be locked in zero position
Product details special product feature	Can be locked in zero position
Product details special product feature product feature / can be locked into OFF position accessories	Can be locked in zero position
Product details special product feature product feature / can be locked into OFF position accessories product extension / optional • motor drive	Can be locked in zero position Yes
Product details special product feature product feature / can be locked into OFF position accessories product extension / optional • motor drive • voltage trigger number of connectable NC contacts / for auxiliary contacts	Can be locked in zero position Yes No
Product details         special product feature         product feature / can be locked into OFF position         accessories         product extension / optional         • motor drive         • voltage trigger         number of connectable NC contacts / for auxiliary contacts / attachable / maximum         number of connectable NO contacts / for auxiliary contacts	Can be locked in zero position Yes No No
Product details         special product feature         product feature / can be locked into OFF position         accessories         product extension / optional         • motor drive         • voltage trigger         number of connectable NC contacts / for auxiliary contacts / attachable / maximum         number of connectable NO contacts / for auxiliary contacts / attachable / maximum         number of connectable CO contacts / for auxiliary contacts	Can be locked in zero position Yes No No 2
Product details         special product feature         product feature / can be locked into OFF position         accessories         product extension / optional         • motor drive         • voltage trigger         number of connectable NC contacts / for auxiliary contacts / attachable / maximum         number of connectable NO contacts / for auxiliary contacts / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum	Can be locked in zero position Yes No No 2 4 0
Product details         special product feature         product feature / can be locked into OFF position         accessories         product extension / optional         • motor drive         • voltage trigger         number of connectable NC contacts / for auxiliary contacts / attachable / maximum         number of connectable NO contacts / for auxiliary contacts / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum         number of bracket locks / maximum	Can be locked in zero position Yes No No 2 4 0 3
Product details         special product feature         product feature / can be locked into OFF position         accessories         product extension / optional         • motor drive         • voltage trigger         number of connectable NC contacts / for auxiliary contacts / attachable / maximum         number of connectable NO contacts / for auxiliary contacts / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum         number of bracket locks / maximum         number of bracket locks / maximum	Can be locked in zero position Yes No No 2 4 0
Product details         special product feature         product feature / can be locked into OFF position         accessories         product extension / optional         • motor drive         • voltage trigger         number of connectable NC contacts / for auxiliary contacts / attachable / maximum         number of connectable NO contacts / for auxiliary contacts / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum         number of bracket locks / maximum         number of bracket locks / maximum         hasp thickness / of the bracket locks	Can be locked in zero position Yes No No 2 4 0 3
Product details         special product feature         product feature / can be locked into OFF position         accessories         product extension / optional         • motor drive         • voltage trigger         number of connectable NC contacts / for auxiliary contacts / attachable / maximum         number of connectable NO contacts / for auxiliary contacts / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum         number of bracket locks / maximum         number of bracket locks / maximum         number of bracket locks / maximum         conditional short-circuit current / with line-side fuse protection	Can be locked in zero position Yes No No 2 4 0 3 4 8 mm
Product details         special product feature         product feature / can be locked into OFF position         accessories         product extension / optional         • motor drive         • voltage trigger         number of connectable NC contacts / for auxiliary contacts / attachable / maximum         number of connectable NO contacts / for auxiliary contacts / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum         number of bracket locks / maximum         hasp thickness / of the bracket locks         Short circuit         conditional short-circuit current / with line-side fuse         protection         • at 440 V / by gG fuse / rated value	Can be locked in zero position Yes No No 2 4 0 3 4 8 mm 10 kA
Product details         special product feature         product feature / can be locked into OFF position         accessories         product extension / optional         • motor drive         • voltage trigger         number of connectable NC contacts / for auxiliary contacts / attachable / maximum         number of connectable NO contacts / for auxiliary contacts / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum         number of bracket locks / maximum         number of bracket locks / maximum         hasp thickness / of the bracket locks         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	Can be locked in zero position Yes No No 2 4 0 3 4 8 mm
Product details         special product feature         product feature / can be locked into OFF position         accessories         product extension / optional         • motor drive         • voltage trigger         number of connectable NC contacts / for auxiliary contacts / attachable / maximum         number of connectable NO contacts / for auxiliary contacts / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum         number of bracket locks / maximum         hasp thickness / of the bracket locks         Short circuit         conditional short-circuit current / with line-side fuse protection         • at 690 V / by gG fuse / rated value         • at 690 V / by gG fuse / rated value         let-through current / with closed switch	Can be locked in zero position Yes No No 2 4 0 3 3 4 8 mm 10 kA 6 kA
Product details         special product feature         product feature / can be locked into OFF position         accessories         product extension / optional         • motor drive         • voltage trigger         number of connectable NC contacts / for auxiliary contacts / attachable / maximum         number of connectable NO contacts / for auxiliary contacts / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum         number of bracket locks / maximum         number of bracket locks / maximum         hasp thickness / of the bracket locks         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	Can be locked in zero position Yes No No 2 4 0 3 4 8 mm 10 kA
Product details         special product feature         product feature / can be locked into OFF position         accessories         product extension / optional         • motor drive         • voltage trigger         number of connectable NC contacts / for auxiliary contacts         / attachable / maximum         number of connectable NO contacts / for auxiliary contacts         / attachable / maximum         number of connectable CO contacts / for auxiliary contacts         / attachable / maximum         number of connectable CO contacts / for auxiliary contacts         / attachable / maximum         number of bracket locks / maximum         number of bracket locks / maximum         hasp thickness / of the bracket locks         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         let-through current / with closed switch         • at 240 V / for combination switch + gG fuse /	Can be locked in zero position Yes No No 2 4 0 3 4 8 mm 10 kA 6 kA
Product details         special product feature         product feature / can be locked into OFF position         accessories         product extension / optional         • motor drive         • voltage trigger         number of connectable NC contacts / for auxiliary contacts / attachable / maximum         number of connectable NO contacts / for auxiliary contacts / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum         number of bracket locks / maximum         number of bracket locks / maximum         hasp thickness / of the bracket locks         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         let-through current / with closed switch         • at 240 V / for combination switch + gG fuse / maximum         • at 440 V / by combination switch + gG fuse / maximum	Can be locked in zero position Yes No No 2 4 0 3 4 8 mm 10 kA 6 kA 3.5 kA
Product details         special product feature         product feature / can be locked into OFF position         accessories         product extension / optional         • motor drive         • voltage trigger         number of connectable NC contacts / for auxiliary contacts / attachable / maximum         number of connectable NO contacts / for auxiliary contacts / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum         number of bracket locks / maximum         number of bracket locks / maximum         hasp thickness / of the bracket locks         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         let-through current / with closed switch         • at 240 V / for combination switch + gG fuse / maximum         • at 440 V / for combination switch + gG fuse / maximum         • at 440 V / for combination switch + gG fuse / maximum	Can be locked in zero position         Yes         No         No         2         4         0         3         4 8 mm
Product details         special product feature         product feature / can be locked into OFF position         accessories         product extension / optional         • motor drive         • voltage trigger         number of connectable NC contacts / for auxiliary contacts / attachable / maximum         number of connectable NO contacts / for auxiliary contacts / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum         number of bracket locks / maximum         number of bracket locks / maximum         hasp thickness / of the bracket locks         Short circuit         conditional short-circuit current / with line-side fuse protection         • at 440 V / by gG fuse / rated value         eat 690 V / by gG fuse / rated value         let-through current / with closed switch         • at 240 V / for combination switch + gG fuse / maximum         • at 440 V / for combination switch + gG fuse / maximum         • at 690 V / for combination switch + gG fuse / maximum	Can be locked in zero position         Yes         No         No         2         4         0         3         4 8 mm

maximum	
<ul> <li>at 440 V / for combination switch + gG fuse /</li> </ul>	4 kA2.s
maximum	
<ul> <li>at 690 V / for combination switch + gG fuse / maximum</li> </ul>	4 kA2.s
design of the fuse link	
<ul> <li>for short-circuit protection of the main circuit / required</li> </ul>	fuse gL/gG: 25 A
<ul> <li>for short-circuit protection of the auxiliary switch / required</li> </ul>	fuse gL/gG: 10 A
operational current / of upstream fuse / rated value	25 A
according UL	
operational current / at AC / according to UL 508/UL 60947-4-1 / rated value	25 A
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	15
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
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 <sup>2</sup> )
<ul> <li>finely stranded / with core end processing</li> </ul>	1x (2.516 mm <sup>2</sup> )
stranded     type of connectable conductor cross-sections / for	1x (2.5 to 16 mm <sup>2</sup> )
auxiliary contacts • solid	2x (0.75 2.5 mm²), 1x 4 mm²
<ul> <li>finely stranded / with core end processing</li> </ul>	2x (0.75 1.5 mm <sup>2</sup> ), 1x 2.5 mm <sup>2</sup>
stranded	2x (0.75 2.5 mm <sup>2</sup> ), 1x 4 mm <sup>2</sup>
type of electrical connection	
for main current circuit	box terminal
<ul> <li>for auxiliary contacts</li> </ul>	Box terminals
Mechanical Design	
height	60 mm
width	60 mm
depth	114 mm
type of device	fixed mounting
fastening method	Built-in unit fixed-mounted version
fastening method	No
<ul> <li>4-hole front mounting</li> <li>front mounting with control attachment</li> </ul>	No
<ul> <li>front mounting with central attachment</li> <li>rail mounting</li> </ul>	Yes No
net weight	200 g
Environmental conditions	
ambient temperature / during operation	
• minimum	-25 °C
• maximum	55 °C
ambient temperature / during storage	
• minimum	-25 °C
• maximum	55 °C
General Product Approval	Declaration of Conformity

**Confirmation** 









UK CA

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=3LD3154-1TL53 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3LD3154-1TL53 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3LD3154-1TL53 CAx-Online-Generator http://www.siemens.com/cax Tender specifications http://www.siemens.com/specifications







