## **SIEMENS**

Data sheet 3LD3054-1TL53



Load disconnector 3LD3, lu 16 A Main switch 3-pole + N Rated operating capacity at AC-23 A at 400V 7.5kW Front plate mounting Basic switch with Central hole mounting 22.5mm Rotary actuator red / yellow 66 x 66 mm with auxiliary switch 1OE + 1S

product brand name   SENTRON   3LD Switch disconnector	Model		
design of the product display version / for switch position indicator manual operation type of switch front mounted  design of the actuating element Color / of the actuating element design of handle type of the driving mechanism / motor drive  Ceneral technical data number of poles / note mechanical service life (switching cycles) / typical electrical endurance (switching cycles) / typical electrical endurance (switching cycles) at AC-23 A / at 690 V operating frequency / maximum degree of pollution  Voltage insulation voltage / rated value operating voltage at AC / rated value operating frequency / rated value omaximum of the AC / rated value operating frequency / rated value operating frequency / rated value operating requency / rated value operating of protection LEMA rating protection class IP / on the front Dissipation  power loss [W] / for rated value of the current / at AC / in hot operating state / per pole  Current operational current / rated value operating actual value of the current / at AC / in hot operating state / per pole  Current operational current / rated value	product brand name	SENTRON	
display version / for switch position indicator manual operation type of switch design of the actuating element color / of the actuating element type of switch front mounted Short rotary knob color / of the actuating element ted design of handle type of the driving mechanism / motor drive No  General technical data number of poles / note mechanical service life (switching cycles) / typical electrical endurance (switching cycles) / typical electrical endurance (switching cycles) / 6 000 operating frequency / maximum degree of pollution 3  Voltage insulation voltage / rated value operating voltage • at AC / rated value • minimum • maximum  foo Hz  Protection class IP protection class IP / on the front Dissipation power loss [W] / for rated value operating state / per pole  Current operational current / rated value • at 40 °C / rated value • at 40 °C / rated value  • at 40 °C / rated value	product designation	3LD Switch disconnector	
operation type of switch design of the actuating element color / of the actuating element red red design of handle type of the driving mechanism / motor drive  General technical data number of poles / note mechanical service life (switching cycles) / typical electrical endurance (switching cycles) / et A C-23 A / at 690 V operating frequency / maximum degree of pollution 3  Voltage insulation voltage / rated value operating voltage	design of the product	EMERGENCY-STOP switch	
design of the actuating element color / of the actuating element design of handle type of the driving mechanism / motor drive No  General technical data  number of poles number of poles 4 mechanical service life (switching cycles) / typical electrical endurance (switching cycles) / typical electrical endurance (switching cycles) / e at AC-23 A / at 690 V operating frequency / maximum 50 1/h degree of pollution 3  Voltage insulation voltage / rated value 690 V operating frequency / rated value 690 V operating state / per pole 1965  Dissipation  power loss [W] / for rated value of the current / at AC / in hot operating state / per pole  Current operational current / rated value 616 A operational current / rated value 7 fated value 64 A operational current / rated value 7 fated value 64 A operational current / rated value 7 fated value 64 A operational current / rated value 7 fated value 64 A operational current / rated value 7 fated value 64 A operational current / rated value 7 fated value 64 A operational current / rated value 7 fated value 64 A operational current / rated value 7 fated value 64 A operational current / rated value 64 A operational current /	. ,	1 ON - 0 OFF	
color / of the actuating element design of handle type of the driving mechanism / motor drive  Ceneral technical data number of poles number of poles / note number of poles / note electrical endurance (switching cycles) / typical electrical endurance (switching cycles) / typical electrical endurance (switching cycles) / typical electrical endurance (switching cycles) / operating frequency / maximum degree of pollution  Voltage insulation voltage / rated value operating frequency / rated value operation class IP degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP / on the front Dissipation  power loss [W] / for rated value of the current / at AC / in hot operating state / per pole  Current operational current / rated value operational current / rated value operational current	type of switch	front mounted	
design of handle type of the driving mechanism / motor drive  Roenard technical data number of poles number of poles / note mechanical service life (switching cycles) / typical / electrical endurance (switching cycles) / e at AC-23 A / at 690 V / 6 000 operating frequency / maximum / 50 1/h / degree of pollution / 3  Voltage insulation voltage / rated value / 690 V / 690	design of the actuating element	Short rotary knob	
type of the driving mechanism / motor drive  General technical data  number of poles  number of poles / d  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 / 6 kV  operating voltage resistance / rated value / 690 V  surge voltage resistance / rated value / 690 V  operating frequency / maximum / 60 Hz  operating voltage / rated value / 690 V  operating voltage / o at AC / rated value / 60 Hz  Protection class IP  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  Current  operational current / rated value / 16 A	color / of the actuating element	red	
General technical data number of poles number of poles / note mechanical service life (switching cycles) / typical / 100 000 electrical endurance (switching cycles) • at AC-23 A / at 690 V	design of handle	rotary operating mechanism, red/yellow	
number of poles 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 insulation voltage / rated value 690 V surge voltage resistance / rated value 690 V operating voltage 690 V operating voltage 690 V operating frequency / rated value 690 V operating frequency / rated value 690 V operating frequency / rated value 690 V  operating frequency / rated value 690 V  operating frequency / rated value 690 V  operating frequency / rated value 690 V  operating frequency / rated value 690 V  operating frequency / rated value 690 V  operating frequency / rated value 690 V  operation class IP 1965  protection class IP 1965 degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP / on the front 1965  Dissipation  power loss [W] / for rated value of the current / at AC / in hot operating state / per pole  Current  operational current / rated value 16 A operational current / rated value 16 A operational current / rated value 16 A	type of the driving mechanism / motor drive	No	
number of poles / note mechanical service life (switching cycles) / typical electrical endurance (switching cycles) • at AC-23 A / at 690 V operating frequency / maximum for the degree of pollution  voltage insulation voltage / rated value surge voltage resistance / rated value operating voltage • at AC / rated value operating frequency / rated value • minimum operating frequency / rated value  • maximum  for Hz  rotection class IP degree of protection NEMA rating protection class IP / on the front  Dissipation  power loss [W] / for rated value of the current / at AC / in hot operating state / per pole  Current operational current / rated value  • at 40 °C / rated value  16 A	General technical data		
mechanical service life (switching cycles) / typical electrical endurance (switching cycles)  • at AC-23 A / at 690 V operating frequency / maximum 50 1/h degree of pollution 3  Voltage insulation voltage / rated value operating voltage • at AC / rated value operating frequency / rated value  • at AC / rated value  operating frequency / rated value • minimum  • maximum  50 Hz  Protection class protection class IP degree of protection NEMA rating protection class IP / on the front  Dissipation  power loss [W] / for rated value of the current / at AC / in hot operating state / per pole  Current operational current / rated value  • at 40 °C / rated value • at 40 °C / rated value  • at 40 °C / rated value  • at 40 °C / rated value  • at 40 °C / rated value  • at 40 °C / rated value  • at 40 °C / rated value  • at 40 °C / rated value  • at 40 °C / rated value  • at 40 °C / rated value  • at 40 °C / rated value  • at 40 °C / rated value  • at 40 °C / rated value  • at 40 °C / rated value	number of poles	4	
electrical endurance (switching cycles)  • at AC-23 A / at 690 V  operating frequency / maximum  50 1/h  degree of pollution  3  Voltage  insulation voltage / rated value  operating voltage resistance / rated value  • at AC / rated value  • at AC / rated value  • minimum  • maximum  50 Hz  operating frequency / rated value  • minimum  • maximum  Frotection class IP  degree of protection NEMA rating protection class IP / on the front  Dissipation  power loss [W] / for rated value of the current / at AC / in hot operating state / per pole  Current  operational current / rated value  • at 40 °C / rated value  • at 40 °C / rated value  16 A	number of poles / note	4	
at AC-23 A / at 690 V operating frequency / maximum degree of pollution  3  Voltage insulation voltage / rated value surge voltage resistance / rated value operating voltage at AC / rated value operating frequency / rated value foo Hz  Protection class  protection class IP degree of protection NEMA rating protection class IP / on the front Dissipation  power loss [W] / for rated value of the current / at AC / in hot operating state / per pole  Current operational current / rated value of the current / at AC value operational current / rated value operational current / rated value operational current operational current operational current operational current	mechanical service life (switching cycles) / typical	100 000	
operating frequency / maximum degree of pollution 3  Voltage insulation voltage / rated value surge voltage resistance / rated value operating voltage • at AC / rated value operating frequency / rated value operation class IP  Protection class protection class IP 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 operational current / rated value operational current op	electrical endurance (switching cycles)		
degree of pollution  Voltage  insulation voltage / rated value 690 V surge voltage resistance / rated value 680 V operating voltage  • at AC / rated value 690 V operating frequency / rated value  • minimum 50 Hz  • maximum 60 Hz  Protection class  protection class IP 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  Current operational current / rated value 16 A  operational current / rated value 16 A  operational current • at 40 °C / rated value 16 A	• at AC-23 A / at 690 V	6 000	
insulation voltage / rated value 690 V surge voltage resistance / rated value 6 kV operating voltage • at AC / rated value 690 V operating frequency / rated value • minimum 50 Hz • maximum 60 Hz  Protection class protection class IP IP65 degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP / on the front IP65  Dissipation power loss [W] / for rated value of the current / at AC / in hot operating state / per pole  Current operational current / rated value 16 A operational current • at 40 °C / rated value 16 A	operating frequency / maximum	50 1/h	
insulation voltage / rated value 690 V surge voltage resistance / rated value 6 kV operating voltage  • at AC / rated value 690 V operating frequency / rated value • minimum 50 Hz • maximum 60 Hz  Protection class protection class IP IP65 degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP / on the front IP65  Dissipation  power loss [W] / for rated value of the current / at AC / in hot operating state / per pole  Current operational current / rated value 16 A  operational current • at 40 °C / rated value 16 A	degree of pollution	3	
surge voltage resistance / rated value operating voltage • at AC / rated value operating frequency / rated value • minimum • maximum	Voltage		
operating voltage  • at AC / rated value  operating frequency / rated value  • minimum  • maximum  60 Hz  Protection class  protection class IP  degree of protection NEMA rating protection class IP / on the front  Dissipation  power loss [W] / for rated value of the current / at AC / in hot operating state / per pole  Current  operational current / rated value  16 A  operational current  • at 40 °C / rated value  16 A	insulation voltage / rated value	690 V	
at AC / rated value  operating frequency / rated value  ominimum  omaximum  foo Hz  Protection class  protection class IP  degree of protection NEMA rating protection class IP / on the front  Dissipation  power loss [W] / for rated value of the current / at AC / in hot operating state / per pole  Current  operational current / rated value  at 40 °C / rated value  food	surge voltage resistance / rated value	6 kV	
operating frequency / rated value	operating voltage		
<ul> <li>minimum</li> <li>maximum</li> <li>60 Hz</li> </ul> Protection class protection class IP <ul> <li>degree of protection NEMA rating</li> <li>protection class IP / on the front</li> <li>IP65</li> </ul> Dissipation power loss [W] / for rated value of the current / at AC / in hot operating state / per pole Current <ul> <li>operational current / rated value</li> <li>operational current</li> <li>at 40 °C / rated value</li> <li>16 A</li> </ul>	at AC / rated value	690 V	
● maximum  Protection class  protection class IP  degree of protection NEMA rating protection class IP / on the front  Dissipation  power loss [W] / for rated value of the current / at AC / in hot operating state / per pole  Current  operational current / rated value  operational current  ● at 40 °C / rated value  16 A	operating frequency / rated value		
protection class IP  degree of protection NEMA rating 1, 3R, 4X, 12  protection class IP / on the front  Dissipation  power loss [W] / for rated value of the current / at AC / in hot operating state / per pole  Current  operational current / rated value  • at 40 °C / rated value  IP65  0.5 W  0.5 W  16 A	• minimum	50 Hz	
protection class IP  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  Current  operational current / rated value  at 40 °C / rated value  16 A	• maximum	60 Hz	
degree of protection NEMA rating  protection class IP / on the front  Dissipation  power loss [W] / for rated value of the current / at AC / in hot operating state / per pole  Current  operational current / rated value  • at 40 °C / rated value  1, 3R, 4X, 12  IP65  0.5 W  0.5 W  16 A	Protection class		
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 16 A  operational current  • at 40 °C / rated value 16 A	protection class IP	IP65	
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole  Current  operational current / rated value  operational current  • at 40 °C / rated value  16 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  Current  operational current / rated value  operational current  • at 40 °C / rated value  16 A	protection class IP / on the front	IP65	
hot operating state / per pole  Current  operational current / rated value  operational current  • at 40 °C / rated value  16 A	Dissipation		
operational current / rated value 16 A operational current  • at 40 °C / rated value 16 A		0.5 W	
operational current  • at 40 °C / rated value 16 A	Current		
• at 40 °C / rated value 16 A	operational current / rated value	16 A	
	operational current		
• at 45 °C / rated value 16 A	<ul> <li>at 40 °C / rated value</li> </ul>	16 A	
	• at 45 °C / rated value	16 A	

a at E0 °C / rated value	16 A
• at 50 °C / rated value	16 A
• at 55 °C / rated value	16 A
at AC / rated value	16 A
Main circuit	
operational current	
<ul><li>at AC-21 / at 690 V / rated value</li></ul>	16 A
<ul><li>at AC-21 A / at 240 V / rated value</li></ul>	16 A
<ul><li>at AC-21 A / at 400 V / rated value</li></ul>	25 A
<ul><li>at AC-21 A / at 440 V / rated value</li></ul>	16 A
at AC-23 A / at 400 V / rated value	16 A
operating power	
<ul><li>at AC-23 A / at 240 V / rated value</li></ul>	3 kW
<ul><li>at AC-23 A / at 400 V / rated value</li></ul>	8 kW
<ul><li>at AC-23 A / at 440 V / rated value</li></ul>	7.5 kW
<ul><li>at AC-23 A / at 690 V / rated value</li></ul>	8 kW
<ul><li>at AC-3 / at 240 V / rated value</li></ul>	3 kW
<ul><li>at AC-3 / at 400 V / rated value</li></ul>	6 kW
• at AC-3 / at 690 V / rated value	5.5 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
switch disconnector	Yes
EMERGENCY OFF switch	Yes
• EIVIERGENCT OFF SWILCH	163
	Yes
<ul> <li>safety switch</li> <li>maintenance/repair switch</li> </ul>	
<ul><li>safety switch</li><li>maintenance/repair switch</li></ul>	Yes
<ul><li>safety switch</li><li>maintenance/repair switch</li><li>Product details</li></ul>	Yes Yes
<ul> <li>safety switch</li> <li>maintenance/repair switch</li> <li>Product details</li> <li>special product feature</li> </ul>	Yes Yes Can be locked in zero position
safety switch     maintenance/repair switch  Product details  special product feature  product feature / can be locked into OFF position	Yes Yes
safety switch     maintenance/repair switch  Product details  special product feature  product feature / can be locked into OFF position  accessories	Yes Yes Can be locked in zero position
safety switch     maintenance/repair switch  Product details  special product feature  product feature / can be locked into OFF position  accessories  product extension / optional	Yes Yes Can be locked in zero position Yes
safety switch     maintenance/repair switch  Product details  special product feature  product feature / can be locked into OFF position  accessories  product extension / optional     motor drive	Yes Yes Can be locked in zero position Yes No
safety switch     maintenance/repair switch  Product details  special product feature  product feature / can be locked into OFF position  accessories  product extension / optional     motor drive     voltage trigger	Yes Yes Can be locked in zero position Yes  No No
safety switch     maintenance/repair switch  Product details  special product feature  product feature / can be locked into OFF position  accessories  product extension / optional     motor drive	Yes Yes Can be locked in zero position Yes No
safety switch     maintenance/repair switch  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	Yes Yes Can be locked in zero position Yes  No No
safety switch     maintenance/repair switch  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	Yes Yes  Can be locked in zero position Yes  No No 2
safety switch     maintenance/repair switch  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	Yes Yes  Can be locked in zero position Yes  No No 2 4 0
safety switch     maintenance/repair switch  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	Yes Yes  Can be locked in zero position Yes  No No 0 3
safety switch     maintenance/repair switch  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	Yes Yes  Can be locked in zero position Yes  No No 2 4 0
safety switch     maintenance/repair switch  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	Yes Yes  Can be locked in zero position Yes  No No 0 3
safety switch     maintenance/repair switch  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	Yes Yes  Can be locked in zero position Yes  No No 0 3
safety switch     maintenance/repair switch  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  Short circuit  conditional short-circuit current / with line-side fuse	Yes Yes  Can be locked in zero position Yes  No No 0 3
safety switch     maintenance/repair switch  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  Short circuit conditional short-circuit current / with line-side fuse protection	Yes Yes  Can be locked in zero position Yes  No No 2 4 0 3 4 8 mm
safety switch     maintenance/repair switch  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  Short circuit  conditional short-circuit current / with line-side fuse protection  at 440 V / by gG fuse / rated value	Yes Yes  Can be locked in zero position Yes  No No 0 3 4 8 mm
safety switch     maintenance/repair switch  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  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	Yes Yes  Can be locked in zero position Yes  No No 0 3 4 8 mm
* safety switch     * maintenance/repair switch  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  Short circuit  conditional short-circuit current / with line-side fuse protection      * at 440 V / by gG fuse / rated value  e at 690 V / by gG fuse / rated value  let-through current / with closed switch  e at 240 V / for combination switch + gG fuse / maximum  e at 440 V / for combination switch + gG fuse /	Yes Yes  Can be locked in zero position Yes  No No 2  4  0  3 4 8 mm
safety switch     maintenance/repair switch  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  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 / for combination switch + gG fuse / maximum  at 690 V / for combination switch + gG fuse / maximum  at 690 V / for combination switch + gG fuse / maximum  at 690 V / for combination switch + gG fuse / maximum	Yes Yes Yes  Can be locked in zero position Yes  No No 2  4  0  3 4 8 mm
safety switch     maintenance/repair switch  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  Short circuit  conditional short-circuit current / with line-side fuse protection     at 440 V / by gG fuse / rated value     at 690 V / for combination switch + gG fuse / maximum     at 440 V / for combination switch + gG fuse / maximum     at 690 V / for combination switch + gG fuse / maximum      at 690 V / for combination switch + gG fuse / maximum      at 690 V / for combination switch + gG fuse / maximum      at 690 V / for combination switch + gG fuse / maximum      at 690 V / for combination switch + gG fuse / maximum permissible	Yes Yes Yes  Can be locked in zero position Yes  No No No 2 4 0 3 4 8 mm
safety switch     maintenance/repair switch  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  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 / for combination switch + gG fuse / maximum  at 690 V / for combination switch + gG fuse / maximum  at 690 V / for combination switch + gG fuse / maximum  at 690 V / for combination switch + gG fuse / maximum	Yes Yes Yes  Can be locked in zero position Yes  No No No 2 4 0 3 4 8 mm

maximum	
at 440 V / for combination switch + gG fuse /	2.5 kA2.s
maximum	<u> </u>
at 690 V / for combination switch + gG fuse / maximum	3 kA2.s
design of the fuse link	
<ul> <li>for short-circuit protection of the main circuit / required</li> </ul>	fuse gL/gG: 20 A
for short-circuit protection of the auxiliary switch / required	fuse gL/gG: 10 A
operational current / of upstream fuse / rated value	16 A
according UL	
operational current / at AC / according to UL 508/UL 60947-4-1 / rated value	16 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	7.5
active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value	10
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 mm²)
<ul> <li>finely stranded / with core end processing</li> </ul>	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
<ul><li>finely stranded / with core end processing</li></ul>	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
Mechanical Design	00
height width	60 mm 60 mm
depth	114 mm
type of device	fixed mounting
fastening method	Built-in unit fixed-mounted version
fastening method	
4-hole front mounting	No
front mounting with central attachment	Yes
• rail mounting	No
net weight	200 g
Environmental conditions	
ambient temperature / during operation	
• minimum	-25 °C
• maximum	55 °C
ambient temperature / during storage	25 °C
minimum     maximum	-25 °C 55 °C
General Product Approval	Declaration of Conformity
General Froduct Approval	Deciaration of Comorning











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=3LD3054-1TL53

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

https://support.industry.siemens.com/cs/ww/en/ps/3LD3054-1TL53

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

http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3LD3054-1TL53

**CAx-Online-Generator** 

http://www.siemens.com/cax

**Tender specifications** 

http://www.siemens.com/specifications







