## **SIEMENS**

Data sheet 3LD3054-1TK51



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

product brand name design of the product design of the product display version / for switch position indicator manual operation type of switch design of the actuating element design of handle type of the driving mechanism / motor drive design of handle type of the driving mechanism / motor drive design of handle type of the driving mechanism / motor drive design of handle type of the driving mechanism / motor drive design of handle type of the driving mechanism / motor drive design of handle type of the driving mechanism / motor drive design of handle type of the driving mechanism / motor drive design of handle type of the driving mechanism / motor drive design of handle type of the driving mechanism, black tolary knob	Model			
design of the product  display version / for switch position indicator manual operation  type of switch  design of the actuating element  color / of the actuating element  design of handle  type of the driving mechanism / motor drive  Conoral 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  3  Voltage  insulation voltage / rated value  operating viage  • at AC / rated value  • minimum  • maximum  60 Hz  Protection class IP  degree of protection NEMA rating  protection class IP / on the front  pissipation  power loss [W] / for rated value of the current / at AC / in hot operating state / per pole  Current  • at 40 °C / rated value  • at 40 °C / rated value  operational current  • at 40 °C / rated value  operational current  • at 40 °C / rated value  operational current  • at 40 °C / rated value  operational current  • at 40 °C / rated value  • for AC operational current  • at 40 °C / rated value  • for AC operational current  • at 40 °C / rated value  • for AC operational current  • at 40 °C / rated value  • for AC operational current  • at 40 °C / rated value  • for AC operational current  • at 40 °C / rated value  • for AC operational current  • at 40 °C / rated value  • for AC operational current  • at 40 °C / rated value  • for AC operational current  • at 40 °C / rated value  • for AC operational current  • at 40 °C / rated value  • for AC operational current  • at 40 °C / rated value  • for AC operational current  • at 40 °C / rated value  • for AC operational current  • at 40 °C / rated value  • for AC operational current  • at 40 °C / 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 black design of handle type of the driving mechanism / motor drive 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) / operating frequency / maximum degree of pollution 3  Voltage insulation voltage / rated value operating frequency / rated value • at AC / rated value • minimum • maximum  fooltz  Protection class IP operational current / arted value operational current / per pole  Current operational current / rated value • operational current / rated value operational current / rated value  operational current / rated value operational current / rated value  operational current / rated value	product designation	3LD Switch disconnector		
operation type of 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 / note number of poles / note electrical endurance (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 3  Voltage insulation voltage / rated value operating voltage • at AC / rated value • minimum • maximum  50 Hz • maximum  50 Hz • maximum  50 Hz  Protection class IP degree of protection NEMA rating protection class IP / on the front Dissipation  power loss [IV] / for rated value of the current / at AC / in hot operating state / per pole  Current operational current / rated value operating national current / rated value operating state / per pole  Current operational current • at 40 °C / rated value  operational current • at 40 °C / rated value  operational current • at 40 °C / rated value  operational current • at 40 °C / rated value  of at 40 °C / rated value  operational current • at 40 °C / rated value  of at 40 °C / rated value  operational current • at 40 °C / rated value  of at 40 °C / rated value	design of the product	Main switch		
design of the actuating element black color / of the driving mechanism / motor drive No    General technical data    number of poles		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 for operating frequency / maximum source operating voltage / rated value operating voltage resistance / rated value operating frequency / rated value operation class IP  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 oper	type of switch	front mounted		
design of handle type of the driving mechanism / motor drive  No  General 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 / operating frequency / maximum / so 1/h / degree of pollution / surge voltage resistance / rated value / operating frequency / rated value / operation class IP / on the front / protection class IP / on the front / operating state / per pole / operational current / rated value of the current / at AC / in / hot operating state / per pole / operational current / rated value / operational current / o	design of the actuating element	Short rotary knob		
type of the driving mechanism / motor drive  General technical data  number of poles  anumber of poles  mechanical service life (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 resistance / rated value  operating frequency / rated value  at AC / rated value  operating frequency / rated value  animimum  operating frequency / rated value  minimum  foo Hz  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  16 A  operational current  at 40 °C / rated value  16 A	color / of the actuating element	black		
number of poles number of poles / note mechanical service life (switching cycles) / typical / 100 000 electrical endurance (switching cycles) / typical / 100 000 electrical endurance (switching cycles) / 6 000 operating frequency / maximum / 50 1/h degree of pollution / 3  Voltage / rated value / 690 V surge voltage resistance / rated value / 690 V operating voltage / at AC / rated value / 690 V operating requency / rated value / 690 V operating frequency / rated value / 690 V operating requency / rated value / 690 V operating frequency / rated value / 690 Hz  Protection class IP / 600 Hz  Protection class IP / 600 Hp65 degree of protection NEMA rating / 1, 3R, 4X, 12 protection class IP / on the front / 600 Hp65  Dissipation  power loss [W] / for rated value of the current / at AC / in hot operating state / per pole  Current / 600 Ac /	design of handle	rotary operating mechanism, black		
number of poles 3 number of poles / note 3 mechanical service life (switching cycles) / typical 100 000 electrical endurance (switching cycles) • at AC-23 A / at 690 V 6 000 operating frequency / maximum 50 1/h degree of pollution 3  Voltage insulation voltage / rated value 690 V surge voltage resistance / rated value 690 V operating voltage • at AC / rated value 690 V operating frequency / rated value 690 V operating frequency / rated value 690 V  operating voltage • at AC / rated value 690 V  operating frequency / rated value • minimum 50 Hz • maximum 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 6A Operational current / rated value 6A Operational current / rated value 6A Operational current / at AC / In hot operational current / rated value 6A Operational current / rated value 6A Operational current / at AC / In operational current / rated value 6A Operational current / rated value 6A Operational current / at AC / In operational current / rated value 6A Operational current / at AC / In operational current / rated value 6A Operational current / at AC / In operational current / rated value 6A Operational current / at AC / In operational current / rated value 6B Operational current / at AC / In operational current / rated value 6B Operational current / rated value / rated	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 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  • at AC / rated value 690 V operating frequency / rated value 690 V  operating frequency / rated value 690 V  operating frequency / rated value  • minimum 50 Hz  • maximum 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  operational current / 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  degree of pollution  3  Voltage  insulation voltage / rated value  operating voltage resistance / rated value  • at AC / rated value  • minimum  • maximum  foo Hz  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  • at 40 °C / rated value  100 000  6 000  6 000  6 000  6 8V  6 90 V  6 8V  6 90 V  6 90 V  6 90 V  6 90 V  6 8V  6 90 V  6 90 V  6 8V  6 90 V  6 90 V  6 90 V  6 90 V  6 8V  6 90 V  6 8V  6 90 V  6 90 V  6 8V  6 90 V  6 8V  6 90 V  6 90 V  6 90 V  6 8V  6 90 V  6 90 V  6 8V  6 90 V  6 90 V  6 8V  6 9	number of poles	3		
electrical endurance (switching cycles)  • 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  • minimum  • maximum  50 Hz  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	number of poles / note	3		
at AC-23 A / at 690 V operating frequency / maximum degree of pollution  7	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 • minimum • maximum  Frotection 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  16 A	electrical endurance (switching cycles)			
degree of pollution  Voltage  insulation voltage / rated value 690 V surge voltage resistance / rated value 6kV operating voltage  • at AC / rated value 690 V  operating frequency / rated value  • minimum 50 Hz  • maximum 60 Hz  Protection class  protection class IP 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 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  Frotection 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  6 kV  6 kV  6 kV  6 kV  690 V  690	Voltage			
operating voltage  • at AC / rated value  operating frequency / rated value  • minimum  • maximum  Frotection 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     ● minimum     ● maximum     On 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     operational current     ● at 40 °C / rated value  16 A	surge voltage resistance / rated value	6 kV		
operating frequency / rated value  • minimum  • maximum  60 Hz  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  16 A  operational current  • at 40 °C / rated value  16 A	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> 16 A 16 A 16 A	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  • at 40 °C / rated value  60 Hz  IP65  0.5 W  0.5 W  0.5 W  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  operational current  • at 40 °C / rated value  IP65  0.5 W  0.5 W  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  10.5 W  0.5 W  16 A	Protection class			
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	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  operational current  operational current  16 A  16 A	Dissipation			
operational current / rated value  operational current  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		

• 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>	16 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	
<ul><li>main switch</li></ul>	Yes
<ul> <li>switch disconnector</li> </ul>	Yes
<ul> <li>EMERGENCY OFF switch</li> </ul>	No
<ul> <li>safety switch</li> </ul>	Yes
<ul> <li>maintenance/repair switch</li> </ul>	Yes
Product details	
Product details special product feature	Can be locked in zero position
	Can be locked in zero position Yes
special product feature	·
special product feature product feature / can be locked into OFF position	·
special product feature product feature / can be locked into OFF position accessories	
special product feature product feature / can be locked into OFF position accessories product extension / optional	Yes
special product feature product feature / can be locked into OFF position accessories product extension / optional • motor drive	Yes No
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	No No
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	No No 2
special product feature product feature / can be locked into OFF position  accessories  product extension / optional	No No 2
special product feature product feature / can be locked into OFF position  accessories  product extension / optional	No No 2 4 0
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	No No 2 4 0 3
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	No No 2 4 0 3
special product feature product feature / can be locked into OFF position  accessories  product extension / optional	No No 2 4 0 3
special product feature product feature / can be locked into OFF position  accessories  product extension / optional	No         No         No         2         4         0         3         4 8 mm
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  No No 2 4 0 3 4 8 mm
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  No No 2 4 0 3 4 8 mm
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 /	No No No 2 4 0 3 4 8 mm
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  • at 240 V / for combination switch + gG fuse / maximum  • at 440 V / for combination switch + gG fuse /	No No No 2 4 0 3 4 8 mm  10 kA 6 kA 3 kA
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  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 /	No No 2 4 0 3 4 8 mm  10 kA 6 kA 3 kA 3 kA
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  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 permissible	No No 2 4 0 3 4 8 mm  10 kA 6 kA 3 kA 3 kA

maximum	2.5 kA2.s		
<ul> <li>at 440 V / for combination switch + gG fuse / maximum</li> </ul>	2.5 KA2.8		
at 690 V / for combination switch + gG fuse / maximum	3 kA2.s		
design of the fuse link			
for short-circuit protection of the main circuit / required	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	5 kA		
to UL 508/UL 60947-4-1 continuous current / of upstream fuse / according to UL /	50 A		
rated value 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	4 (0.54 40 2)		
• solid	1x (2.5 to 16 mm²)		
finely stranded / with core end processing	1x (2.516 mm²)		
• stranded	1x (2.5 to 16 mm²)		
type of connectable conductor cross-sections / for auxiliary contacts			
• solid	2x (0.75 2.5 mm²), 1x 4 mm²		
<ul> <li>finely stranded / with core end processing</li> </ul>	2x (0.75 1.5 mm²), 1x 2.5 mm²		
• stranded	2x (0.75 1.5 mm²), 1x 2.5 mm² 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			
height	60 mm		
width	47 mm		
depth	114 mm		
type of device	fixed mounting		
fastening method	Built-in unit fixed-mounted version		
fastening method			
<ul> <li>4-hole front mounting</li> </ul>	No		
<ul> <li>front mounting with central attachment</li> </ul>	Yes		
rail mounting	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









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=3LD3054-1TK51

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

https://support.industry.siemens.com/cs/ww/en/ps/3LD3054-1TK51

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

http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3LD3054-1TK51

**CAx-Online-Generator** 

http://www.siemens.com/cax

**Tender specifications** 

http://www.siemens.com/specifications







