## SIEMENS

## Data sheet

## 3LD2154-0TK53



SENTRON, Switch disconnector 3LD, emergency switching-off switch, 3-pole, Iu: 25 A, operating power / at AC-23 A 400 V: 9.5 kW, front-mounted, rotary operating mechanism, Red / yellow, central mounting 22.5 mm of the handle

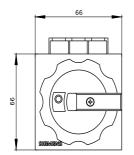
product brand name         SENTRON           product designation         3LD Switch disconnector           design of the product         EMERGENCY-STOP switch           display version / for switch position indicator manual operation         10N - 0 OFF           type of switch         front mounted           type of switch         front mounted           design of the actuating element         red           color / of the actuating element         red           design of handle         rolary 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           unumber of poles         3           size of switch disconnector         2           e at A C / 23 A / at 690 V         6 000           operating reguency / maximum	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       red         color / of the actuating element       red         design of handle       rotary operating mechanism, red/yellow         type of switch       number of poles         size of switch disconnector       2         mechanical service life (switching cycles) / typical       100 000         electrical endurance (switching cycles) / typical       100 000         electrical endurance (switching cycles) / typical       100 000         electrical endurance (switching cycles) / typical       6000         operating frequency / maximum       50 1/h         degree of pollution       3         Voltage       680 V         surge voltage resistance / rated value       690 V         operating requency / rated value       690 V         operating requency / rated value       690 V         operating frequency / rated value       690 V         operating requency / rated value       690 V         operating requency / rated value       60 Hz         Protection class IP       IP65         degree of protection NEMA rating       1, 3R, 4X, 12         protection class IP /	product designation	3LD Switch disconnector			
operation         front mounted           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           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       3         size of switch disconnector       2         mechanical service life (switching cycles) / typical       100 000         electrical endurance (switching cycles) / typical       00 00         operating frequency / maximum       6000         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       680 V         operating requency / rated value       690 V         entinimum       50 Hz         operating voltage       64 V         operating frequency / rated value       690 V         operating frequency / rated value       690 V         operating frequency / rated value       690 V         operating frequency / rated value       60 Hz         Protection class IP       1, 3R, 4X, 12         protec		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         size of switch disconnector       2         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         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         e at AC / rated value       690 V         operating frequency / rated value       70 Hz         e maximum       50 Hz         operating frequency / rated value       70 Hz         e maxim	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       3         size of switch disconnector       2         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 requency / maximum       60 V         operating requency / rated value       690 V         surge voltage resistance / rated value       690 V         operating rotage       e at AC / rated value         operating frequency / rated value       690 V         operation class IP       IP65         protection class IP       IP65         operation class IP / on the front       IP65         operating state / per pole       1.1 W         operationa	design of handle	rotary operating mechanism, red/yellow			
number of poles       3         size of switch disconnector       2         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       690 V         insulation voltage / rated value       690 V         operating requency / rated value       690 V         operating voltage       6 kV         operating reguency / rated value       690 V         operating trequency / rated value       690 V         operating trequency / rated value       690 V         operating frequency / rated value       690 V         operating requency / rated value       690 V         operating requency / rated value       690 V         operating requency / rated value       60 Hz         Protection class IP       IP65         degree of protection NEMA rating       1, 3R, 4X, 12         protection class IP / on the front       I	type of the driving mechanism / motor drive	No			
size of switch disconnector       2         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       690 V         insulation voltage / rated value       690 V         surge voltage resistance / rated value       690 V         operating frequency / maximum       600 V         operating to voltage       64V         operating frequency / rated value       690 V         operating frequency / rated value       690 V         operating to voltage       64V         operating frequency / rated value       690 V         operating frequency / rated value       50 Hz         operation class IP       IP65         degree of protection NEMA rating       1, 3R, 4X, 12         protection class IP / on the front       IP65         Dissipation       1.1 W	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         operating voltage resistance / rated value       690 V         operating voltage       690 V         • at AC / rated value       690 V         operating voltage       690 V         operating frequency / rated value       690 V         operating requency / rated value       690 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         pover loss [W] / for rated value of the current / at AC / in hot operating state / per pole       25 A	number of poles	3			
electrical endurance (switching cycles)       6 000         operating frequency / maximum       50 1/h         degree of pollution       3         Voltage       6 800 V         insulation voltage / rated value       690 V         surge voltage resistance / rated value       6 kV         operating voltage       6 kV         operating frequency / rated value       690 V         operating voltage       6 kV         operating frequency / rated value       690 V         operating frequency / rated value       690 V         operating frequency / rated value       6 kV         operating frequency / rated value       600 V         operating frequency / rated value       600 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	size of switch disconnector	2			
• 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       690 V         operating class IP       112         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       25 A<	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         690 V           operating voltage         690 V           • at AC / rated value         690 V           operating frequency / rated value         60 Hz           Protection class         P           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 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       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       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         • 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       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	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       25 A         operational current       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       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       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       50 Hz         • minimum       50 Hz         • maximum       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       1065         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         operational current       at 40 °C / rated value         • at 40 °C / rated value       25 A	insulation voltage / rated value	690 V			
• at AC / rated value       690 V         operating frequency / rated value       50 Hz         • maximum       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 <b>Dissipation</b> 1P65         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	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         degree of protection vector ve	operating voltage				
<ul> <li>minimum</li> <li>50 Hz</li> <li>maximum</li> <li>60 Hz</li> <li>Protection class</li> <li>protection class IP</li> <li>IP65</li> <li>degree of protection NEMA rating</li> <li>protection class IP / on the front</li> <li>IP65</li> <li>Dissipation</li> <li>power loss [W] / for rated value of the current / at AC / in hot operating state / per pole</li> <li>Current</li> <li>operational current / rated value</li> <li>25 A</li> </ul>	<ul> <li>at AC / rated value</li> </ul>	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         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       operational current / rated value       25 A         operational current       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 / 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       operational current / rated value         operational current       25 A         operational current       25 A	Protection class				
protection class IP / on the front       IP65         Dissipation	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     0       operational current / rated value     25 A       operational current     25 A	protection class IP / on the front	IP65			
hot operating state / per pole       Current       operational current / rated value     25 A       operational current     25 A	Dissipation				
operational current / rated value     25 A       operational current     25 A       • at 40 °C / rated value     25 A		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			

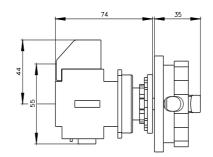
	05.4
• at 50 °C / rated value	25 A
• at 55 °C / rated value	25 A
at AC / rated value	25 A
Main circuit	
operational current	
• at AC-21 / at 690 V / rated value	25 A
<ul> <li>at AC-21 A / at 240 V / rated value</li> </ul>	25 A
<ul> <li>at AC-21 A / at 400 V / rated value</li> </ul>	25 A
<ul> <li>at AC-21 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>	5 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>	9.5 kW
<ul> <li>at AC-23 A / at 690 V / rated value</li> </ul>	10 kW
<ul> <li>at AC-3 / at 240 V / rated value</li> </ul>	4 kW
<ul> <li>at AC-3 / at 400 V / rated value</li> </ul>	8 kW
<ul> <li>at AC-3 / at 690 V / rated value</li> </ul>	7.5 kW
Auxiliary circuit	
number of CO contacts / for auxiliary contacts	0
number of NC contacts / for auxiliary contacts	0
number of NO contacts / for auxiliary contacts	0
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
EMERGENCY OFF switch	Yes
safety switch	Yes
-	
maintenance/repair switch	Yes
maintenance/repair switch Product details	Yes
maintenance/repair switch  Product details  product feature / can be locked into OFF position	
maintenance/repair switch Product details product feature / can be locked into OFF position accessories	Yes
maintenance/repair switch Product details product feature / can be locked into OFF position accessories product extension / optional	Yes Yes
maintenance/repair switch      Product details      product feature / can be locked into OFF position     accessories      product extension / optional      motor drive	Yes Yes No
maintenance/repair switch      Product details      product feature / can be locked into OFF position     accessories      product extension / optional         emotor drive         evoltage trigger	Yes Yes No No
maintenance/repair switch      Product details      product feature / can be locked into OFF position     accessories      product extension / optional      motor drive	Yes Yes No
maintenance/repair switch      Product details      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 No No
<ul> <li>maintenance/repair switch</li> <li>Product details</li> <li>product feature / can be locked into OFF position</li> <li>accessories</li> <li>product extension / optional <ul> <li>motor drive</li> <li>voltage trigger</li> </ul> </li> <li>number of connectable NC contacts / for auxiliary contacts / attachable / maximum</li> <li>number of connectable NO contacts / for auxiliary contacts / attachable / maximum</li> <li>number of connectable CO contacts / for auxiliary contacts</li> </ul>	Yes Yes No No 2
maintenance/repair switch      Product details      product feature / can be locked into OFF position      accessories      product extension / optional         emotor drive         evoltage 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 No No 2 2 0
<ul> <li>maintenance/repair switch</li> <li>Product details</li> <li>product feature / can be locked into OFF position</li> <li>accessories</li> <li>product extension / optional <ul> <li>motor drive</li> <li>voltage trigger</li> </ul> </li> <li>number of connectable NC contacts / for auxiliary contacts / attachable / maximum</li> <li>number of connectable NO contacts / for auxiliary contacts / attachable / maximum</li> <li>number of connectable CO contacts / for auxiliary contacts / attachable / maximum</li> <li>number of connectable CO contacts / for auxiliary contacts / attachable / maximum</li> <li>number of bracket locks / maximum</li> </ul>	Yes Yes No No 2 2 0 3
maintenance/repair switch      Product details      product feature / can be locked into OFF position     accessories      product extension / optional         emotor drive         evoltage 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	Yes Yes No No 2 2 0
<ul> <li>maintenance/repair switch</li> <li>Product details</li> <li>product feature / can be locked into OFF position</li> <li>accessories</li> <li>product extension / optional <ul> <li>motor drive</li> <li>voltage trigger</li> </ul> </li> <li>number of connectable NC contacts / for auxiliary contacts / attachable / maximum</li> <li>number of connectable NO contacts / for auxiliary contacts / attachable / maximum</li> <li>number of connectable CO contacts / for auxiliary contacts / attachable / maximum</li> <li>number of connectable CO contacts / for auxiliary contacts / attachable / maximum</li> <li>number of bracket locks / maximum</li> <li>number of bracket locks / maximum</li> <li>hasp thickness / of the bracket locks</li> </ul> <li>Short circuit</li> <li>conditional short-circuit current / with line-side fuse</li>	Yes Yes No No 2 2 0 3
<ul> <li>maintenance/repair switch</li> <li>Product details</li> <li>product feature / can be locked into OFF position</li> <li>accessories</li> <li>product extension / optional <ul> <li>motor drive</li> <li>voltage trigger</li> </ul> </li> <li>number of connectable NC contacts / for auxiliary contacts / attachable / maximum</li> <li>number of connectable NO contacts / for auxiliary contacts / attachable / maximum</li> <li>number of connectable CO contacts / for auxiliary contacts / attachable / maximum</li> <li>number of bracket locks / maximum</li> <li>number of bracket locks / maximum</li> <li>hasp thickness / of the bracket locks</li> </ul> <li>Short circuit <ul> <li>conditional short-circuit current / with line-side fuse protection</li> </ul></li>	Yes Yes No No 2 2 0 3
<ul> <li>maintenance/repair switch</li> <li>Product details</li> <li>product feature / can be locked into OFF position</li> <li>accessories</li> <li>product extension / optional <ul> <li>motor drive</li> <li>voltage trigger</li> </ul> </li> <li>number of connectable NC contacts / for auxiliary contacts / attachable / maximum</li> <li>number of connectable NO contacts / for auxiliary contacts / attachable / maximum</li> <li>number of connectable CO contacts / for auxiliary contacts / attachable / maximum</li> <li>number of bracket locks / maximum</li> <li>number of bracket locks / maximum</li> <li>hasp thickness / of the bracket locks</li> </ul> <li>Short circuit <ul> <li>conditional short-circuit current / with line-side fuse protection</li> <li>at 690 V / by gG fuse / rated value</li> </ul> </li>	Yes Yes No No 2 2 2 0 3 4 8 mm
<ul> <li>maintenance/repair switch</li> <li>Product details</li> <li>product feature / can be locked into OFF position</li> <li>accessories</li> <li>product extension / optional <ul> <li>motor drive</li> <li>voltage trigger</li> </ul> </li> <li>number of connectable NC contacts / for auxiliary contacts / attachable / maximum</li> <li>number of connectable NO contacts / for auxiliary contacts / attachable / maximum</li> <li>number of connectable CO contacts / for auxiliary contacts / attachable / maximum</li> <li>number of bracket locks / maximum</li> <li>number of bracket locks / maximum</li> <li>hasp thickness / of the bracket locks</li> </ul> <li>Short circuit <ul> <li>conditional short-circuit current / with line-side fuse protection</li> </ul></li>	Yes Yes No No 2 2 2 0 3 4 8 mm
<ul> <li>maintenance/repair switch</li> <li>Product details</li> <li>product feature / can be locked into OFF position</li> <li>accessories</li> <li>product extension / optional <ul> <li>motor drive</li> <li>voltage trigger</li> </ul> </li> <li>number of connectable NC contacts / for auxiliary contacts / attachable / maximum</li> <li>number of connectable NO contacts / for auxiliary contacts / attachable / maximum</li> <li>number of connectable CO contacts / for auxiliary contacts / attachable / maximum</li> <li>number of connectable CO contacts / for auxiliary contacts / attachable / maximum</li> <li>number of bracket locks / maximum</li> <li>number of bracket locks / maximum</li> <li>hasp thickness / of the bracket locks</li> </ul> <li>Short circuit <ul> <li>conditional short-circuit current / with line-side fuse protection</li> <li>at 690 V / by gG fuse / rated value</li> </ul> </li> <li>let-through current / with closed switch <ul> <li>at 240 V / for combination switch + gG fuse / maximum</li> <li>at 440 V / for combination switch + gG fuse /</li> </ul> </li>	Yes Yes No No 2 2 2 0 3 4 8 mm
<ul> <li>maintenance/repair switch</li> <li>Product details <ul> <li>product feature / can be locked into OFF position</li> </ul> </li> <li>accessories <ul> <li>product extension / optional</li> <li>motor drive</li> <li>voltage trigger</li> <li>number of connectable NC contacts / for auxiliary contacts / attachable / maximum</li> <li>number of connectable NO contacts / for auxiliary contacts / attachable / maximum</li> <li>number of connectable CO contacts / for auxiliary contacts / attachable / maximum</li> <li>number of connectable CO contacts / for auxiliary contacts / attachable / maximum</li> <li>number of bracket locks / maximum</li> <li>number of bracket locks / maximum</li> <li>hasp thickness / of the bracket locks</li> </ul> </li> <li>Short circuit <ul> <li>conditional short-circuit current / with line-side fuse protection</li> <li>at 690 V / by gG fuse / rated value</li> </ul> </li> <li>let-through current / with closed switch <ul> <li>at 240 V / for combination switch + gG fuse / maximum</li> </ul> </li> </ul>	Yes Yes No No 2 2 2 0 3 4 8 mm
<ul> <li>maintenance/repair switch</li> <li>Product details</li> <li>product feature / can be locked into OFF position</li> <li>accessories</li> <li>product extension / optional <ul> <li>motor drive</li> <li>voltage trigger</li> </ul> </li> <li>number of connectable NC contacts / for auxiliary contacts / attachable / maximum</li> <li>number of connectable NO contacts / for auxiliary contacts / attachable / maximum</li> <li>number of connectable CO contacts / for auxiliary contacts / attachable / maximum</li> <li>number of connectable CO contacts / for auxiliary contacts / attachable / maximum</li> <li>number of bracket locks / maximum</li> <li>number of bracket locks / maximum</li> <li>hasp thickness / of the bracket locks</li> </ul> <li>Short circuit <ul> <li>conditional short-circuit current / with line-side fuse protection</li> <li>at 690 V / by gG fuse / rated value</li> </ul> </li> <li>let-through current / with closed switch <ul> <li>at 240 V / for combination switch + gG fuse / maximum</li> <li>at 440 V / for combination switch + gG fuse / maximum</li> <li>at 690 V / for combination switch + gG fuse / maximum</li> </ul> </li>	Yes Yes No No 2 2 2 0 3 4 8 mm 50 kA 3.5 kA 3.5 kA
<ul> <li>maintenance/repair switch</li> <li>Product details</li> <li>product feature / can be locked into OFF position</li> <li>accessories</li> <li>product extension / optional <ul> <li>motor drive</li> <li>voltage trigger</li> </ul> </li> <li>number of connectable NC contacts / for auxiliary contacts / attachable / maximum</li> <li>number of connectable NO contacts / for auxiliary contacts / attachable / maximum</li> <li>number of connectable CO contacts / for auxiliary contacts / attachable / maximum</li> <li>number of connectable CO contacts / for auxiliary contacts / attachable / maximum</li> <li>number of bracket locks / maximum</li> <li>number of bracket locks / maximum</li> <li>hasp thickness / of the bracket locks</li> </ul> <li>Short circuit <ul> <li>conditional short-circuit current / with line-side fuse protection</li> <li>at 690 V / by gG fuse / rated value</li> </ul> </li> <li>let-through current / with closed switch <ul> <li>at 240 V / for combination switch + gG fuse / maximum</li> <li>at 440 V / for combination switch + gG fuse / maximum</li> <li>at 690 V / for combination switch + gG fuse / maximum</li> <li>at 690 V / for combination switch + gG fuse / maximum</li> <li>at 690 V / for combination switch + gG fuse / maximum</li> <li>at 690 V / for combination switch + gG fuse / maximum</li> </ul> </li>	Yes Yes No No 2 2 2 2 0 3 4 8 mm 50 kA 3.5 kA 3.5 kA 4 kA

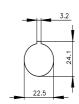
I2t value / with closed switch / at 690 V / for combination switch + gG fuse / maximum	4 kA2.s
design of the fuse link	
<ul> <li>for short-circuit protection of the main circuit / required</li> </ul>	fuse gL/gG: 25 A
<ul> <li>for short-circuit protection of the auxiliary switch / required</li> </ul>	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	8
• minimum	14
type of connectable conductor cross-sections / for copper conductor	
• solid	1x (1,516mm²)
<ul> <li>finely stranded / with core end processing</li> </ul>	1x (1,510mm²)
stranded	1x (1,516mm²)
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	
<ul> <li>for main current circuit</li> </ul>	box terminal
<ul> <li>for auxiliary contacts</li> </ul>	connection terminals
Mechanical Design	
height	84 mm
width	67 mm
depth	116.5 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	208 g
Environmental conditions	
ambient temperature / during operation	25.10
• minimum	-25 °C
maximum	55 °C
ambient temperature / during storage	25 °C
• minimum	-25 °C 55 °C
• maximum	
General Product Approval	

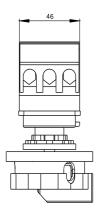
(SP) CEA		<u>Confirmation</u>		UDE VDE	<u>Miscellaneous</u>		
General Product Approval	Declaration of Con	formity	Test Certificates	Marine / Shipping			
EHC	UK CA	CE EG-Konf.	Special Test Certific- ate	Lloyd's Register urs	PRS		
Marine / Shipping	other						
DNV-GL COMPLICATION	<u>Miscellaneous</u>	Environmental Con- firmations					
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=3LD2154-0TK53         Service&Support (Manuals, Certificates, Characteristics, FAQs,)         https://support.industry.siemens.com/cs/ww/en/ps/3LD2154-0TK53         Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams,)         http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2154-0TK53         CAx-Online-Generator         http://www.siemens.com/cax							

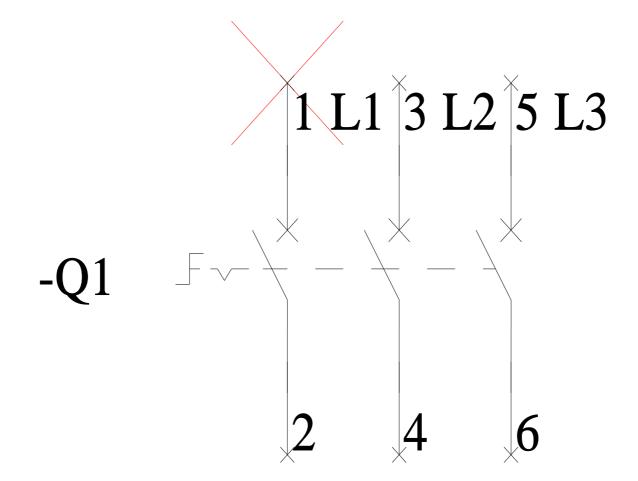
Tender specifications http://www.siemens.com/specifications





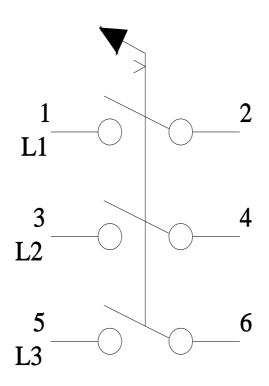






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