## SIEMENS

## Data sheet

## 3LD2144-1TL53



SENTRON, Switch disconnector 3LD, emergency switching-off switch, 4-pole, Iu: 25 A, operating power / at AC-23 A 400 V: 9.5 kW, floor mounting with door coupling, 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         1ON - 0 OFF           /ype of switch         Floor mounting with door coupling           design of the actuating element         red           color / of the actuating element         red           design of the actuating element         red           number of poles         4           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         680 V           surge voltage resistance / rated value         690 V           operating frequency / maximum         60 Hz           operating frequency / rated value         690 V           operating frequency / rated value <th>Model</th> <th></th>	Model			
design of the product       EMERGENCY-STOP switch         display version / for switch position indicator manual operation       10N - 0 OFF         Type of switch       Floor mounting with door coupling         design of the actuating element       Short rotary knob         color / of the actuating element       red         design of handle       rotary operating mechanism, red/yellow         type of the driving mechanism / motor drive       No         General technical data	product brand name	SENTRON		
display version / for switch position indicator manual operation     1 ON - 0 OFF       type of switch     Floor mounting with door coupling       design of the actuating element     red       color / of the actuating element     red       design of handle     rotary operating mechanism, red/yellow       type of switch     100 - 0 OFF       esign of handle     rotary operating mechanism, red/yellow       type of the driving mechanism / motor drive     No       General technical data	product designation	3LD Switch disconnector		
operation         Floor mounting with door coupling           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       4         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       690 V         surge voltage resistance / rated value       690 V         operating frequency / maximum       60 kV         operating voltage       680 V         operating voltage       680 V         operating rotage       6 kV         operating rotage       6 kV         operating frequency / rated value       690 V         surge voltage resistance / rated value       690 V         operating frequency / rated value       690 V         operating frequency / rated value       70 Hz         operating frequency / rated value		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         insulation voltage / rated value       690 V         operating frequency / maximum       60 NV         surge voltage resistance / rated value       690 V         operating frequency / rated value       690 V         operating rotection class       protection class         protection class IP       IP65         degree of protection NEMA rating       1, 3R, 4X, 12         protection class IP / on the front       IP65         Dissipation       1.1 W         operational current / rated value       25 A <td>type of switch</td> <td>Floor mounting with door coupling</td>	type of switch	Floor mounting with door coupling		
design of handle       rotary operating mechanism, red/yellow         type of the driving mechanism / motor drive       No         General technical data       number of poles         size of switch disconnector       2         mechanical service life (switching cycles) / typical       100 000         electrical endurance (switching cycles)       6 000         operating frequency / maximum       60 1/h         degree of pollution       3         Voltage       insulation voltage / rated value         insulation voltage / rated value       690 V         surge voltage resistance / rated value       690 V         operating frequency / rated value       60 Hz         operation class IP       IP65         degree of protection NEMA rating       1, 3R, 4X, 12         protection class IP / on the front	design of the actuating element	Short rotary knob		
type of the driving mechanism / motor drive       No         General technical data	color / of the actuating element	red		
General technical data         number of poles       4         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 voltage resistance / rated value       690 V         operating requency / 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         operation class IP       IP65         protection class IP       IP65         degree of protection NEMA rating       1, 3R, 4X, 12         protection class IP / on the front       IP65 <b>Dissipation</b>	design of handle	rotary operating mechanism, red/yellow		
number of poles         4           size of switch disconnector         2           mechanical service life (switching cycles) / typical         100 000           electrical endurance (switching cycles)         6 000           operating frequency / maximum         60 1/h           degree of pollution         3           Voltage         690 V           insulation voltage / rated value         690 V           operating voltage         6 kV           operating reguency / rated value         6 kV           operating reguency / rated value         6 kV           operating frequency / rated value         6 kV           operating reguency / rated value         60 Hz           Protection class IP         P65           grotection class IP         IP65           Dissipation         IP65           Dissipation         IP65           operating state / per pole         25 A           operational current / rated value <td< td=""><td>type of the driving mechanism / motor drive</td><td>No</td></td<>	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       • 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     64V       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       power loss [W] / for rated value of the current / at AC / in hot operating state / per pole     25 A       operational current     25	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       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 requency / rated value       690 V         operating frequency / rated value       100 L         operating frequency / rated value       100 L         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       1.1 W         operational current / rate	number of poles	4		
electrical endurance (switching cycles)       6 000         operating frequency / maximum       50 1/h         degree of pollution       3         Voltage       690 V         insulation voltage / rated value       690 V         surge voltage resistance / rated value       690 V         operating voltage       6 kV         operating voltage       6 kV         operating frequency / rated value       690 V         surge voltage resistance / rated value       690 V         operating frequency / rated value       600 V         operating frequency / rated value       50 Hz         • maximum       60 Hz         Protection class IP       IP65         degree of protection NEMA rating       1, 3R, 4X, 12         protection class IP / on the front       IP65         Dissipation       1.1 W         power loss [W] / for rated value of the current / at AC / in hot operating state / per pole       25 A         operational current / rated value       25 A	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       50 Hz         • maximum       50 Hz         for the frequency / rated value       50 Hz         protection class IP       IP65         degree of protection NEMA rating       1, 3R, 4X, 12         protection class IP / on the front       IP65         Dissipation       1.1 W         power loss [W] / for rated value of the current / at AC / in       1.1 W	mechanical service life (switching cycles) / typical	100 000		
operating frequency / maximum         50 1/h           degree of pollution         3           Voltage         690 V           insulation voltage / rated value         690 V           surge voltage resistance / rated value         6 kV           operating voltage         690 V           • at AC / rated value         690 V           operating frequency / rated value         60 Hz           Protection class         IP           protection class IP         IP65           degree of protection NEMA rating         1, 3R, 4X, 12           protection class IP / on the front         IP65           Dissipation         1.1 W           power loss [W] / for rated value of the current / at AC / in hot operating state / per pole         25 A           operational current / rated value         25 A	electrical endurance (switching cycles)			
degree of pollution       3         Voltage       690 V         insulation voltage / rated value       690 V         surge voltage resistance / rated value       6 kV         operating voltage       690 V         • at AC / rated value       690 V         operating frequency / rated value       690 V         • maximum       50 Hz         • maximum       60 Hz         Protection class       Protection class IP         protection class IP / on the front       IP65         Dissipation       1, 3R, 4X, 12         power loss [W] / for rated value of the current / at AC / in hot operating state / per pole       1.1 W         Current       25 A         operational current / rated value       25 A	• at AC-23 A / at 690 V	6 000		
Voltage       insulation voltage / rated value       690 V         insulation voltage / rated value       6 KV         operating voltage       6 KV         operating voltage       690 V         operating frequency / rated value       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       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	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       1065         protection class IP       IP65         degree of protection NEMA rating       1, 3R, 4X, 12         protection class IP / on the front       IP65         Dissipation       11 W         power loss [W] / for rated value of the current / at AC / in hot operating state / per pole       1.1 W         Operational current / rated value       25 A         operational current       25 A	Voltage			
operating voltage       690 V         operating frequency / rated value       690 V         operating frequency / rated value       60 Hz         • minimum       60 Hz         Protection class       60 Hz         protection class IP       IP65         degree of protection NEMA rating       1, 3R, 4X, 12         protection class IP / on the front       IP65         Dissipation       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	insulation voltage / rated value	690 V		
• at AC / rated value       690 V         operating frequency / rated value       50 Hz         • 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       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       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 of the current / at AC / in hot operating state / per pole       I.1 W         current       0perational current / rated value       25 A         operational current       25 A	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> <li>25 A</li> </ul>	at AC / rated value	690 V		
• maximum60 HzProtection classIP65protection NEMA rating1, 3R, 4X, 12protection class IP / on the frontIP65DissipationIP65power loss [W] / for rated value of the current / at AC / in hot operating state / per pole1.1 WOperational current / rated value25 Aoperational current25 Aoperational current25 A	operating frequency / rated value			
Protection class     IP65       degree of protection NEMA rating     1, 3R, 4X, 12       protection class IP / on the front     IP65       Dissipation     P65       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	• minimum	50 Hz		
protection class IP       IP65         degree of protection NEMA rating       1, 3R, 4X, 12         protection class IP / on the front       IP65         Dissipation         power loss [W] / for rated value of the current / at AC / in hot operating state / per pole       1.1 W         Current         operational current / rated value       25 A         operational current       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       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       0perational current / rated value       25 A         operational current       25 A         operational current       25 A	degree of protection NEMA rating	1, 3R, 4X, 12		
power loss [W] / for rated value of the current / at AC / in       1.1 W         hot operating state / per pole       1.1 W         Current	protection class IP / on the front	IP65		
hot operating state / per pole       Current       operational current / rated value     25 A       operational current     25 A       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 A
• 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
• at AC-3 / at 690 V / rated value	7.5 kW
Auxiliary circuit	
number of CO contacts / for auxiliary contacts	0
number of NC contacts / for auxiliary contacts	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
<ul> <li>EMERGENCY OFF switch</li> </ul>	Yes
<ul> <li>safety switch</li> </ul>	Yes
<ul> <li>maintenance/repair switch</li> </ul>	Yes
maintenance/repair switch Product details	Yes
	Yes
Product details	
Product details product feature / can be locked into OFF position	
Product details product feature / can be locked into OFF position accessories	
Product details product feature / can be locked into OFF position accessories product extension / optional	Yes
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	Yes
Product details product feature / can be locked into OFF position accessories product extension / optional	Yes No No 2
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	Yes No No
Product details product feature / can be locked into OFF position accessories product extension / optional	Yes No No 2
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 / attachable / maximum         number of connectable NO contacts / for auxiliary contacts / attachable / maximum         number of connectable CO contacts / for auxiliary contacts	Yes No No 2 3
Product details product feature / can be locked into OFF position accessories product extension / optional	Yes No No 2 3 0
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 / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum         number of bracket locks / maximum	Yes No No 2 3 0 3
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 / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum         number of bracket locks / maximum         number of bracket locks / maximum	Yes No No 2 3 0 3
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 / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum         number of bracket locks / maximum         hasp thickness / of the bracket locks         Short circuit         conditional short-circuit current / with line-side fuse	Yes No No 2 3 0 3
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 / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum         number of bracket locks / maximum         number of bracket locks / maximum         number of bracket locks / maximum         conditional short-circuit current / with line-side fuse protection	Yes No No 2 3 0 3 4 8 mm
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 / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum         number of bracket locks / maximum         hasp thickness / of the bracket locks         Short circuit         conditional short-circuit current / with line-side fuse protection         • at 690 V / by gG fuse / rated value	Yes No No 2 3 0 3 4 8 mm
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 / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum         number of bracket locks / maximum         number of bracket locks / maximum         hasp thickness / of the bracket locks         Short circuit         conditional short-circuit current / with line-side fuse protection         • at 690 V / by gG fuse / rated value         let-through current / with closed switch         • at 240 V / for combination switch + gG fuse /	Yes No No 2 3 0 3 4 8 mm
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 / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum         number of bracket locks / maximum         hasp thickness / of the bracket locks         Short circuit         conditional short-circuit current / with line-side fuse protection         • at 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 / by combination switch + gG fuse / maximum	Yes No No 2 3 0 3 4 8 mm
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 / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum         number of bracket locks / maximum         number of bracket locks / maximum         hasp thickness / of the bracket locks         Short circuit         conditional short-circuit current / with line-side fuse protection         • at 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         • at 690 V / for combination switch + gG fuse / maximum	Yes No No 2 3 0 3 4 8 mm 50 kA 3.5 kA 3.5 kA
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 / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum         number of connectable CO contacts / for auxiliary contacts / attachable / maximum         number of bracket locks / maximum         number of bracket locks / maximum         hasp thickness / of the bracket locks         Short circuit         conditional short-circuit current / with line-side fuse protection         • at 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 / by combination switch + gG fuse / maximum         • at 690 V / for combination switch + gG fuse / maximum	Yes No No 2 3 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	
<ul><li>auxiliary contacts</li><li>solid</li></ul>	lateral auxiliary switch 2x (0,75 2,5mm <sup>2</sup> ), 1x 4mm <sup>2</sup> ; front auxiliary
• finely stranded / with core end processing	switch 1x (0,75 2,5mm <sup>2</sup> ) lateral auxiliary switch 2x (0,75 1,5mm <sup>2</sup> ), 1x 2,5mm <sup>2</sup> ; front auxiliary switch 1x 2,5mm <sup>2</sup>
stranded	lateral auxiliary switch 2x (0,75 2,5mm <sup>2</sup> ), 1x 4mm <sup>2</sup> ; front auxiliary switch 1x (0,75 2,5mm <sup>2</sup> )
type of electrical connection	
for main current circuit	box terminal
for auxiliary contacts	connection terminals
Mechanical Design	
height	83 mm
width	67 mm
depth	451.5 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	Yes
net weight	459 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	

SP CM	<u>Confirmation</u>		(UL) JL	UDE VDE	<u>Miscellaneous</u>
General Product Approval	Declaration of Con	formity	Test Certificates	Marine / Shipping	
EHC	CE EG-Konf.	UK CA	Special Test Certific- ate	Lloyd's Register urs	PRS
Marine / Shipping	other				
	<u>Miscellaneous</u>	Environmental Con- firmations			
Further information					
Information- and Do http://www.siemens.c	wnloadcenter (Catalo om/lowvoltage/catalog	ogs, Brochures,) <u>s</u>			

Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3LD2144-1TL53

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

https://support.industry.siemens.com/cs/ww/en/ps/3LD2144-1TL53

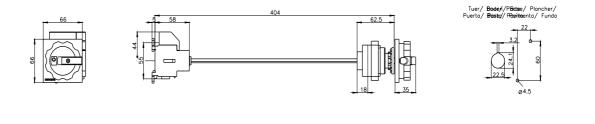
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3LD2144-1TL53

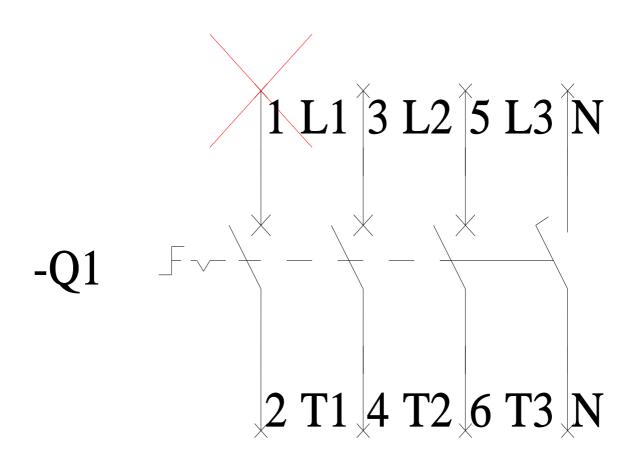
**CAx-Online-Generator** 

http://www.siemens.com/cax

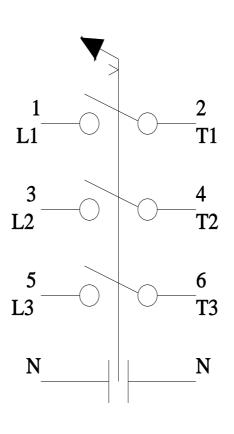
**Tender specifications** 

http://www.siemens.com/specifications





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