SIEMENS

Data sheet

3LD2517-0TK13



SENTRON, switch disconnector 3LD, EMERGENCY OFF switch, 3-pole, lu: 63 A, Operating power / at AC-23 A at 400 V: 22 kW, floor mounting with door coupling, defeatable knob-operated mechanism, red/yellow, 4-hole mounting of the handle

Model	
product brand name	SENTRON
product designation	Switch disconnector
design of the product	EMERGENCY-STOP switch
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	selector switch
color of the actuating element	red
design of handle	knob-operated mechanism, red/yellow
type of the driving mechanism motor drive	No
General technical data	
number of poles	3
size of switch disconnector	3
mechanical service life (operating cycles) typical	100 000
electrical endurance (operating 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	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	4.5 W
Main circuit	
operational current	
• at AC-21 at 690 V rated value	63 A
• at AC-21 A at 240 V rated value	63 A
• at AC-21 A at 400 V rated value	63 A
 at AC-21 A at 440 V rated value 	63 A
 at AC-23 A at 400 V rated value 	43 A

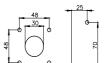
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• IA A-C23 A # 600 V rade value 19.WV • IA A-C2 at 240 V rade value 19.WV • IA A-C2 at 240 V rade value 19.WV • IA A-C2 at 600 V rade value 19.WV • IA A-C2 at 600 V rade value 19.WV • AraC2 at 600 V rade value 0 • number of CC contacts for auxiliary contact 0 • number of NC contacts for auxiliary contact 0 • contacts of auxiliary contact 0.A • radio for auxiliary contact at AC maximum 500 V • contacts of auxiliary contact at AC maximum 500 V • suitch disconnector Yes • walk disconnector Yes • contact for auxiliary contact Yes • radio faulter can be locked into CFF postion Yes • costage trigger No • runber of nonectable NC contacts for auxiliary contacts 1 • runber of concactable NC contacts for auxiliary contacts 1 • runber of concactable NC contacts for auxiliary contacts 1 • runber of concactable NC contacts for auxiliary contacts 1 • runber of concactable NC contacts f			
 af AC3 at 240 Y rated value 11 WV af AC3 at 690 Y rated value 15 KV Auxiliary carcuit number of CC contacts for auxiliary contacts 0 0 operating voltage of auxiliary contacts 0 contacts for auxiliary contact at AC3 at 690 V rated value 00 V contacts for auxiliary contact at AC3 at AC3 at AC3 at AC4 at			
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• at AC3 at 600 V rated value 15 kW Auxiliary circuit 0 number of NC contacts for auxiliary contacts 0 operating valuage of the auxiliary contact rate value 10 A insultation valuage of the auxiliary sultch rate value 500 V Statishifty sultability sultability sultability Statishifty valuage of the auxiliary sultch rated value Statishifty valuage of the auxiliary sultch rated value Statishifty valuage of the auxiliary sultch rated value Product datalis product feature can be locked into OFF position Yes scatistrici product feature can be locked into OFF position Yes accassicitis product feature can be locked into OFF position number of conscatche No contacts for auxiliary contacts 3 number of conscatche No contacts for auxiliary contacts 3 number of conscatche No contacts for auxiliary			
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Suitability suitability for use	continuous current of the auxiliary contact rated value	10 A	
suitability for use • main switch • switch disconnector • Yes • ExtERQENCY OFF switch • safety switch • safety switch • realistemanological • main data context (at the switch • Yes • main • The for combination switch • Yes • Main • The for combination switch • Yes • Main • The for combination switch • Yes • So the switch • Yes • Main • The for combination switch • Yes • So the switch • Yes • The So th • Yes • Ye	insulation voltage of the auxiliary switch rated value	500 V	
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Short circuit conditional short-circuit current with line-side fuse protection • at 690 V by gG fuse rated value 50 kA let-through current with closed switch 6 kA • at 240 V for combination switch + gG fuse maximum 6 kA • at 440 V for combination switch + gG fuse maximum 6 kA • at 690 V for combination switch + gG fuse maximum 6 kA • at 690 V for combination switch + gG fuse maximum 6 kA • at 240 V for combination switch + gG fuse maximum 21 kA2.s lzt value with closed switch 21 kA2.s • at 240 V for combination switch + gG fuse maximum 21 kA2.s • at 440 V for combination switch + gG fuse maximum 21 kA2.s • at 440 V for combination switch + gG fuse maximum 21 kA2.s • at 690 V for combination switch + gG fuse maximum 21 kA2.s • design of the fuse link fuse gL/gG: 63 A • for short-circuit protection of the main circuit required fuse gL/gG: 10 A operational current of upstream fuse rated value 63 A according UL 600 V operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 63 A active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 600 V	number of bracket locks maximum	3	
conditional short-circuit current with line-side fuse protection 50 kA let-through current with closed switch 50 kA e at 240 V for combination switch + gG fuse maximum 6 kA • at 440 V for combination switch + gG fuse maximum 6 kA • at 640 V for combination switch + gG fuse maximum 6 kA • at 640 V for combination switch + gG fuse maximum 6 kA • at 240 V for combination switch + gG fuse maximum 6 kA • at 240 V for combination switch + gG fuse maximum 21 kA2.s • at 240 V for combination switch + gG fuse maximum 21 kA2.s • at 640 V for combination switch + gG fuse maximum 21 kA2.s • at 640 V for combination switch + gG fuse maximum 21 kA2.s • at 640 V for combination switch + gG fuse maximum 21 kA2.s • at 640 V for combination switch + gG fuse maximum 21 kA2.s • for short-circuit protection of the main circuit required fuse gL/gG: 63 A • for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A operational current of upstream fuse rated value 63 A according UL 600 V operational current at AC according to UL 508/UL 60947- 4-1 63 A active power [hp] at AC at 480 V according to UL 508/UL 60947- 4-1 <td>hasp thickness of the bracket locks</td> <td>4 6 mm</td>	hasp thickness of the bracket locks	4 6 mm	
• at 690 V by gG fuse rated value 50 kA let-through current with closed switch 6 kA • at 240 V for combination switch + gG fuse maximum 6 kA • at 440 V for combination switch + gG fuse maximum 6 kA • at 690 V for combination switch + gG fuse maximum 6 kA • at 690 V for combination switch + gG fuse maximum 6 kA • at 240 V for combination switch + gG fuse maximum 21 kA2.s l2t value with closed switch 21 kA2.s • at 240 V for combination switch + gG fuse maximum 21 kA2.s • at 690 V for combination switch + gG fuse maximum 21 kA2.s • at 690 V for combination switch + gG fuse maximum 21 kA2.s • at 690 V for combination switch + gG fuse maximum 21 kA2.s design of the fuse link fuse gL/gG: 63 A • for short-circuit protection of the main circuit required fuse gL/gG: 10 A operational current of upstream fuse rated value 63 A according UL 00perational current at AC according to UL 508/UL 60947-4-1 rated value 600 V coperational current at AC at 50/60 Hz according to UL 508/UL 60947- 40 active power [hp] at AC at 480 V according to UL 508/UL 60947- 40 active power [hp] at AC at 6	Short circuit		
let-through current with closed switch 6 kA • at 240 V for combination switch + gG fuse maximum 6 kA • at 440 V for combination switch + gG fuse maximum 6 kA • at 690 V for combination switch + gG fuse maximum 6 kA permissible 12t value with closed switch • at 240 V for combination switch + gG fuse maximum 21 kA2.s • at 240 V for combination switch + gG fuse maximum 21 kA2.s • at 440 V for combination switch + gG fuse maximum 21 kA2.s • at 440 V for combination switch + gG fuse maximum 21 kA2.s • at 690 V for combination switch + gG fuse maximum 21 kA2.s • at 690 V for combination switch + gG fuse maximum 21 kA2.s • at 690 V for combination switch + gG fuse maximum 21 kA2.s • at 690 V for combination switch + gG fuse maximum 21 kA2.s • at 690 V for combination switch + gG fuse maximum 21 kA2.s • at 690 V for combination switch + gG fuse maximum 21 kA2.s • at 690 V for combination switch + gG fuse maximum 21 kA2.s • at 690 V for combination switch + gG fuse maximum 21 kA2.s • of rshort-circuit protection of the auxiliary switch required fuse gL/gG: 63 A • for short-circuit protection of the auxiliary switch required<	conditional short-circuit current with line-side fuse protection		
• at 240 V for combination switch + gG fuse maximum 6 kA • at 440 V for combination switch + gG fuse maximum 6 kA • at 690 V for combination switch + gG fuse maximum 6 kA • at 240 V for combination switch + gG fuse maximum 6 kA • at 240 V for combination switch + gG fuse maximum 21 kA2.s • at 440 V for combination switch + gG fuse maximum 21 kA2.s • at 440 V for combination switch + gG fuse maximum 21 kA2.s • at 690 V for combination switch + gG fuse maximum 21 kA2.s design of the fuse link 1 kA2.s • for short-circuit protection of the main circuit required fuse gL/gG: 63 A • for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A operational current of upstream fuse rated value 63 A according UL 600 V operating voltage at AC at 50/60 Hz according to UL 508/UL 600 V colve power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 63 A active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 40 active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 50 short-time withstand current (SCCR) at 600 V according to UL 508/UL 60947-4-1 50	 at 690 V by gG fuse rated value 	50 kA	
• at 440 V for combination switch + gG fuse maximum 6 kA • at 690 V for combination switch + gG fuse maximum 6 kA I2t value with closed switch 7 • at 240 V for combination switch + gG fuse maximum 21 kA2.s • at 440 V for combination switch + gG fuse maximum 21 kA2.s • at 440 V for combination switch + gG fuse maximum 21 kA2.s • at 440 V for combination switch + gG fuse maximum 21 kA2.s • at 690 V for combination switch + gG fuse maximum 21 kA2.s design of the fuse link 6 for short-circuit protection of the main circuit required fuse gL/gG: 63 A • for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A 0 operational current of upstream fuse rated value 63 A 600 V according UL 600 V 600 V 600 V operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 63 A 40 active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 40 50 4-1 rated value 50 50 50 active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 50 50 4-1 rated value 5 kA 50 50	let-through current with closed switch		
• at 690 V for combination switch + gG fuse maximum permissible 6 kA I2t value with closed switch 6 kA • at 240 V for combination switch + gG fuse maximum 21 kA2.s • at 440 V for combination switch + gG fuse maximum 21 kA2.s • at 690 V for combination switch + gG fuse maximum 21 kA2.s • at 690 V for combination switch + gG fuse maximum 21 kA2.s • at 690 V for combination switch + gG fuse maximum 21 kA2.s • at 690 V for combination switch + gG fuse maximum 21 kA2.s • at 690 V for combination switch + gG fuse maximum 21 kA2.s • at 690 V for combination switch + gG fuse maximum 21 kA2.s • design of the fuse link fuse gL/gG: 63 A • for short-circuit protection of the main circuit required fuse gL/gG: 10 A operational current of upstream fuse rated value 63 A according UL 63 A operating voltage at AC at 50/60 Hz according to UL 508/UL 600 V 60947-4-1 rated value 600 V active power [hp] at AC at 480 V according to UL 508/UL 60947- 40 4-1 rated value 50 short-time withstand current (SCCR) at 600 V according to UL 5 kA	 at 240 V for combination switch + gG fuse maximum 	6 kA	
• at 690 V for combination switch + gG fuse maximum permissible 6 kA I2t value with closed switch 6 kA • at 240 V for combination switch + gG fuse maximum 21 kA2.s • at 440 V for combination switch + gG fuse maximum 21 kA2.s • at 690 V for combination switch + gG fuse maximum 21 kA2.s • at 690 V for combination switch + gG fuse maximum 21 kA2.s • at 690 V for combination switch + gG fuse maximum 21 kA2.s • at 690 V for combination switch + gG fuse maximum 21 kA2.s • at 690 V for combination switch + gG fuse maximum 21 kA2.s • at 690 V for combination switch + gG fuse maximum 21 kA2.s • design of the fuse link fuse gL/gG: 63 A • for short-circuit protection of the main circuit required fuse gL/gG: 10 A operational current of upstream fuse rated value 63 A according UL 63 A operating voltage at AC at 50/60 Hz according to UL 508/UL 600 V 60947-4-1 rated value 600 V active power [hp] at AC at 480 V according to UL 508/UL 60947- 40 4-1 rated value 50 short-time withstand current (SCCR) at 600 V according to UL 5 kA	-	6 kA	
I2t value with closed switch 21 kA2.s • at 240 V for combination switch + gG fuse maximum 21 kA2.s • at 440 V for combination switch + gG fuse maximum 21 kA2.s • at 690 V for combination switch + gG fuse maximum 21 kA2.s design of the fuse link 1 kA2.s • for short-circuit protection of the main circuit required fuse gL/gG: 63 A • for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A operational current of upstream fuse rated value 63 A according UL 63 A operational current at AC according to UL 508/UL 60947-4-1 63 A operationg voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 600 V 600 V 600 V active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 40 active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 50 active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 50 active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 50 active power (hp] at AC at 600 V according to UL 508/UL 60947-4-1 50 short-tirme withstand current (SCCR) at 600 V according to UL 5 kA	• at 690 V for combination switch + gG fuse maximum	6 kA	
• at 240 V for combination switch + gG fuse maximum21 kA2.s• at 440 V for combination switch + gG fuse maximum21 kA2.s• at 690 V for combination switch + gG fuse maximum21 kA2.sdesign of the fuse link21 kA2.s• for short-circuit protection of the main circuit requiredfuse gL/gG: 63 A• for short-circuit protection of the auxiliary switch requiredfuse gL/gG: 10 Aoperational current of upstream fuse rated value63 Aaccording UL63 Aoperational current at AC according to UL 508/UL 60947-4-163 Aoperating voltage at AC at 50/60 Hz according to UL 508/UL 60947- 4-1 rated value600 Vactive power [hp] at AC at 480 V according to UL 508/UL 60947- 4-1 rated value50active power [hp] at AC at 600 V according to UL 508/UL 60947- 4-1 rated value50active power [hp] at AC at 600 V according to UL 508/UL 60947- 4-1 rated value50	•		
• at 440 V for combination switch + gG fuse maximum 21 kA2.s • at 690 V for combination switch + gG fuse maximum 21 kA2.s design of the fuse link 21 kA2.s • for short-circuit protection of the main circuit required fuse gL/gG: 63 A • for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A operational current of upstream fuse rated value 63 A according UL 63 A operational current at AC according to UL 508/UL 60947-4-1 63 A rated value 600 V ooperating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 600 V active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 40 active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 50 active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 50 active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 50 active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 50 short-time withstand current (SCCR) at 600 V according to UL 5 kA		21 kA2.s	
• at 690 V for combination switch + gG fuse maximum 21 kA2.s design of the fuse link fuse gL/gG: 63 A • for short-circuit protection of the main circuit required fuse gL/gG: 63 A • for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A operational current of upstream fuse rated value 63 A according UL 63 A operational current at AC according to UL 508/UL 60947-4-1 63 A operating voltage at AC at 50/60 Hz according to UL 508/UL 600 V 60947-4-1 rated value 600 V active power [hp] at AC at 480 V according to UL 508/UL 60947- 40 active power [hp] at AC at 600 V according to UL 508/UL 60947- 50 active power [hp] at AC at 600 V according to UL 508/UL 60947- 50 active power [hp] at AC at 600 V according to UL 508/UL 60947- 50 active power [hp] at AC at 600 V according to UL 508/UL 60947- 50 short-time withstand current (SCCR) at 600 V according to UL 5 kA	-		
design of the fuse link for short-circuit protection of the main circuit required fuse gL/gG: 63 A for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A operational current of upstream fuse rated value 63 A according UL 	C C		
 for short-circuit protection of the main circuit required for short-circuit protection of the auxiliary switch required fuse gL/gG: 63 A for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A operational current of upstream fuse rated value 63 A according UL operational current at AC according to UL 508/UL 60947-4-1 fated value operating voltage at AC at 50/60 Hz according to UL 508/UL 600 V 60947-4-1 rated value active power [hp] at AC at 480 V according to UL 508/UL 60947- fated value active power [hp] at AC at 600 V according to UL 508/UL 60947- fated value fated			
• for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A operational current of upstream fuse rated value 63 A according UL 63 A operational current at AC according to UL 508/UL 60947-4-1 63 A rated value 600 V 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 40 active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value 50 active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value 50 active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value 50 active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value 50 short-time withstand current (SCCR) at 600 V according to UL 508/UL 50		fuse al /aG: 63 A	
operational current of upstream fuse rated value 63 A according UL 63 A operational current at AC according to UL 508/UL 60947-4-1 63 A rated value 60 V operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 60 V 60947-4-1 rated value 600 V active power [hp] at AC at 480 V according to UL 508/UL 60947- 40 4-1 rated value 50 active power [hp] at AC at 600 V according to UL 508/UL 60947- 40 4-1 rated value 50 short-time withstand current (SCCR) at 600 V according to UL 508/UL 508			
according UL operational current at AC according to UL 508/UL 60947-4-1 63 A rated value 600 V 60947-4-1 rated value 600 V active power [hp] at AC at 480 V according to UL 508/UL 60947- 40 4-1 rated value 50 active power [hp] at AC at 600 V according to UL 508/UL 60947- 40 4-1 rated value 50 short-time withstand current (SCCR) at 600 V according to UL 5 kA			
operational current at AC according to UL 508/UL 60947-4-1 63 A rated value 600 V operating voltage at AC at 50/60 Hz according to UL 508/UL 600 V 60947-4-1 rated value 600 V active power [hp] at AC at 480 V according to UL 508/UL 60947- 40 4-1 rated value 50 active power [hp] at AC at 600 V according to UL 508/UL 60947- 40 4-1 rated value 50 short-time withstand current (SCCR) at 600 V according to UL 5 kA			
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active power [hp] at AC at 480 V according to UL 508/UL 60947- 40 4-1 rated value 50 active power [hp] at AC at 600 V according to UL 508/UL 60947- 50 4-1 rated value 50 short-time withstand current (SCCR) at 600 V according to UL 5 kA	operating voltage at AC at 50/60 Hz according to UL 508/UL	600 V	
active power [hp] at AC at 600 V according to UL 508/UL 60947- 50 4-1 rated value 50 short-time withstand current (SCCR) at 600 V according to UL 5 kA	active power [hp] at AC at 480 V according to UL 508/UL 60947-	40	
short-time withstand current (SCCR) at 600 V according to UL 5 kA	active power [hp] at AC at 600 V according to UL 508/UL 60947-	50	
500/0L 00947-4-1		5 kA	

continuous current of up	ostream fuse according to UL rated va	Ilue 175 A
type of fuse according to	-	RK5
Connections		
	connectable conductor cross section	
 maximum 		6
 minimum 		14
type of connectable con conductor	ductor cross-sections for copper	
 solid 		1x (2,535mm²)
 finely stranded w 	ith core end processing	1x (2.516 mm²)
	ductor cross-sections for auxiliary	1x (2,535mm²)
• solid		lateral auxiliary switch 2x (0,75 2,5mm ²), 1x 4mm ² ; front auxiliary switch 1x
• Solid		(0,75 2,5mm ²)
 finely stranded w 	ith core end processing	lateral auxiliary switch 2x (0,75 1,5mm ²), 1x 2,5mm ² ; front auxiliary switch 1 2,5mm ²
 stranded 		lateral auxiliary switch 2x (0,75 2,5mm ²), 1x 4mm ² ; front auxiliary switch 1x (0,75 2,5mm ²)
type of electrical connect	ction	
• for main current of	circuit	box terminal
 for auxiliary containing 	acts	connection terminals
lechanical Design		
height		91 mm
width		67 mm
depth		395 mm
type of device		fixed mounting
fastening method		Built-in unit fixed-mounted version
fastening method		
 4-hole front mour 	nting	Yes
	th central attachment	No
 rail mounting 		Yes
net weight		566 g
invironmental condition	ns	
ambient temperature du		
• minimum		-25 °C
 maximum 		55 °C
ambient temperature du	Iring storage	
• minimum		-25 °C
• maximum		55 °C
General Product Appr	oval	
	Confir	rmation <u>Miscellaneous</u>
SP.		
CSA	ccc	UL VDE
General Product Approval	Declaration of Conformity	Test Certificates Marine / Shipping other
EHC		Konf. Special Test Certific- ate Confirmation
other	Environment	
Miscellaneous	Environmental Con- firmations	

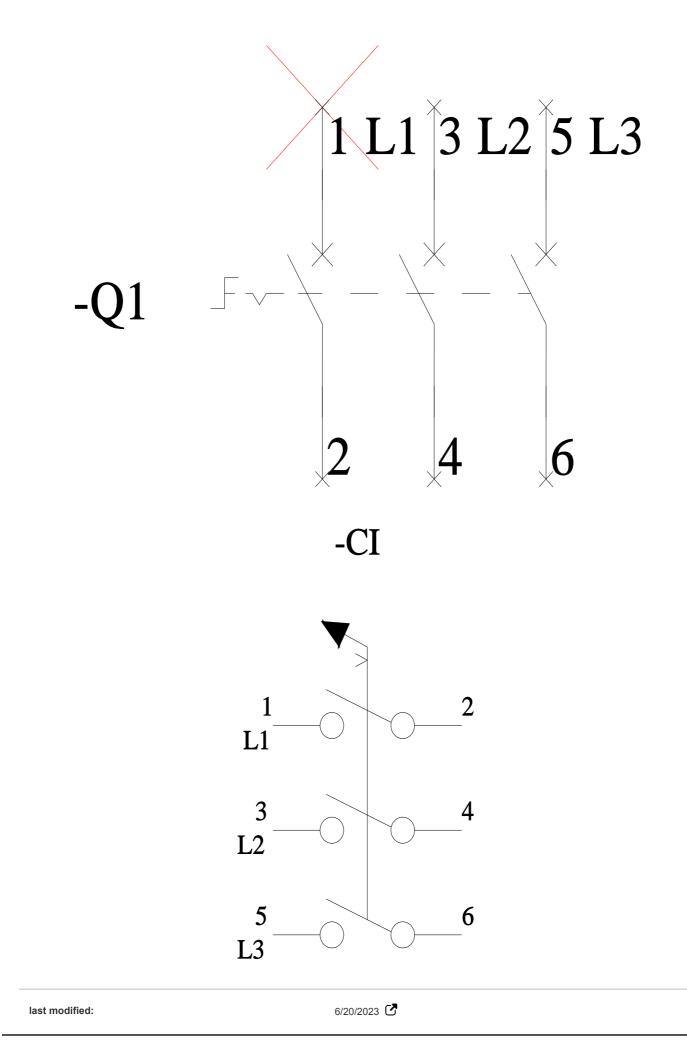
Further information Siemens has decided to exit the Russian market (see here). https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business Siemens is working on the renewal of the current EAC certificates. Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus). Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813875 Information- and Downloadcenter (Catalogs, Brochures,...) http://www.siemens.com/lowvoltage/catalogs Industry Mall (Online ordering system) https:// all.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3LD2517-0TK13 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3LD2517-0TK13 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2517-0TK13 CAx-Online-Generator http://www.siemens.com/cax **Tender specifications**

http://www.siemens.com/specifications









7/10/2023