SIEMENS

Data sheet 3LD2517-1TL11



SENTRON, switch disconnector 3LD, main switch, 4-pole, Iu: 63 A, operating power / at AC-23 A at 400 V: 22 kW, floor mounting with door coupling, defeatable knob-operated mechanism, black, 4-hole mounting of the handle

Model	
product brand name	SENTRON
product designation	Switch disconnector
design of the product	Main 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	black
design of handle	knob-operated mechanism, black
type of the driving mechanism motor drive	No
General technical data	
number of poles	4
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

at AC-23 A at 400 V rated value at AC-23 A at 400 V rated value 22 kW at AC-23 A at 400 V rated value 19 kW at AC-23 A at 500 V rated value 19 kW at AC-23 A at 500 V rated value 19 kW at AC-23 A at 500 V rated value 19 kW at AC-23 at 500 V rated value 19 kW at AC-23 at 500 V rated value 15 kW Auxiliary circuit number of CO contacts for auxiliary contacts 0 number of CO contacts for auxiliary contacts 0 number of NO contacts for auxiliary contacts 0 number of connectable NO contacts for auxiliary contacts 0 number of connectable NO contacts for auxiliary contacts 0 number of nonectable NO contacts for auxiliary contacts 0 number of nonectable NO contacts for auxiliary contacts 0 number of nonectable NO contacts for auxiliary contacts 0 number of nonectable NO contacts for auxiliary contacts 0 number of nonectable NO contacts for auxiliary contacts 0 number of nonectable NO contacts for auxiliary contacts 0 number of nonectable NO contacts for auxiliary contacts 0 number of nonectable NO contacts for auxiliary contacts 0 number of nonectable NO contacts for auxiliary contacts 0 number of nonectable NO contacts for auxiliary contacts 0 number of nonectable NO contacts for auxiliary contacts 0 number of nonectable NO contacts for auxiliary contacts 0 number of nonectable NO co		
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continuous current of the auxiliary contact rated value Suitability suitability for use * main switch * switch disconnector * SHERGENCY OFF switch * safety switch * safety switch * safety switch * maintenance/repair switch * raintenance/repair switch * raintenance/repair switch * Product details product feature can be locked into OFF position * roots of rive * roots of rive * voltage trigger * No * unumber of connectable NC contacts for auxiliary contacts * statischable maximum * unumber of connectable NO contacts for auxiliary contacts * statischable maximum * unumber of connectable NO contacts for auxiliary contacts * statischable maximum * unumber of connectable NO contacts for auxiliary contacts * statischable maximum * unumber of connectable CO contacts for auxiliary contacts * statischable maximum * unumber of connectable CO contacts for auxiliary contacts * statischable maximum * unumber of connectable CO contacts for auxiliary contacts * statischable maximum * unumber of connectable CO contacts for auxiliary contacts * statischable maximum * unumber of connectable CO contacts for auxiliary contacts * statischable maximum * unumber of connectable CO contacts for auxiliary contacts * statischable maximum * unumber of connectable CO contacts for auxiliary contacts * statischable maximum * statischable maximu	number of NO contacts for auxiliary contacts	0
Suitability suitability for use	operating voltage of auxiliary contacts at AC maximum	500 V
suitability for use • main switch • switch disconnector • EMERGENCY OFF switch • safety switch • safety switch • maintenancerepair switch • safety switch • maintenancerepair switch • real manancerepair switch • real manancere	continuous current of the auxiliary contact rated value	10 A
main switch switch disconnector EMERGENCY OFF switch safety switch maintenance/repair switch Product details product feature can be locked into OFF position ves Product extension optional motor drive voltage trigger number of connectable NC contacts for auxiliary contacts attachable maximum 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 al hasp thickness of the bracket locks 4 6 mm Short circuit conditional short-circuit current with line-side fuse protection at 690 V by gG fuse rated value elt-through current with closed switch at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 480 V for combination switch + gG fuse maximum at 480 V for combination switch + gG fuse maximum at 480 V for combination switch + gG fuse maximum at 480 V for combination switch + gG fuse maximum at 480 V for combination switch + gG fuse maximum at 480 V for combination switch + gG fuse maximum at 480 V for combination switch + gG fuse maximum at 480 V for combination switch + gG fuse maximum at 480 V for combination switch + gG fuse maximum at 480 V for combination switch + gG fuse maximum at 480 V for combination switch + gG fuse maximum at 480 V for combination switch + gG fuse maximum at 480	Suitability	
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EMERGENCY OFF switch safety switch safety switch naintenance/repair switch Yes Product details product feature can be locked into OFF position Sccessories product extension optional noted five noted five voltage trigger number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable NC contacts for auxiliary contacts attachable maximum number of bracket locks auxiliary contacts attachable maximum number of bracket locks maximum number of bracket locks maximum number of bracket locks awaitum number of bracket locks awaitum number of bracket locks switch at 1240 V for combination switch + 9G fuse maximum at 1440 V for combination switch + 9G fuse fuse fuse fuse fuse fuse fuse fuse	main switch	Yes
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attachable maximum number of connectable CO contacts for auxiliary contacts attachable maximum number of bracket locks maximum 3 hasp thickness of the bracket locks 4 6 mm 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 permissible l2t value with closed switch • 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 31 kA2.s • at 690 V for combination switch + gG fuse maximum 32 kA2.s • at 690 V for combination switch + gG fuse maximum 33 kA2.s • for short-circuit protection of the main circuit required 40 fuse gL/gG: 63 A 40 for short-circuit protection of the auxiliary switch required 40 fuse gL/gG: 10 A 40 operational current at AC according to UL 508/UL 60947-4-1 7 rated value 40 operational current at AC at 480 V according to UL 508/UL 60947-4-1 7 rated value		3
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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 permissible l2t value with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 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 • for short-circuit protection of the main circuit required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required operational current of upstream fuse rated value according UL operational current at AC according to UL 508/UL 60947-4-1 rated value operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value active power (hp) at AC at 480 V according to UL 508/UL 60947-4-1 rated value	hasp thickness of the bracket locks	4 6 mm
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permissible 12t value with closed switch	• at 440 V for combination switch + gG fuse maximum	6 kA
 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 tA2.s 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 operational current of upstream fuse rated value according UL operational current at AC according to UL 508/UL 60947-4-1 rated value operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value 		6 kA
 at 440 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum 21 kA2.s 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 operational current of upstream fuse rated value 63 A according UL operational current at AC according to UL 508/UL 60947-4-1 rated value operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value 	I2t value with closed switch	
 at 690 V for combination switch + gG fuse maximum 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 operational current of upstream fuse rated value 63 A according UL operational current at AC according to UL 508/UL 60947-4-1 rated value operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value 	• at 240 V for combination switch + gG fuse maximum	21 kA2.s
design of the fuse link • for short-circuit protection of the main circuit required • for short-circuit protection of the auxiliary switch required operational current of upstream fuse rated value according UL operational current at AC according to UL 508/UL 60947-4-1 rated value operational voltage at AC at 50/60 Hz according to UL 508/UL active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 4-1 rated value fuse gL/gG: 63 A fuse gL/gG: 63 A 63 A 63 A 600 V 600 V 60947-4-1 40 40 40	• at 440 V for combination switch + gG fuse maximum	21 kA2.s
• for short-circuit protection of the main circuit required • for short-circuit protection of the auxiliary switch required operational current of upstream fuse rated value according UL operational current at AC according to UL 508/UL 60947-4-1 rated value operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 4-1 rated value fuse gL/gG: 63 A fuse gL/gG: 10 A 63 A 63 A 600 V 600 V 600 V 600 V 40 40	• at 690 V for combination switch + gG fuse maximum	21 kA2.s
	design of the fuse link	
operational current of upstream fuse rated value according UL operational current at AC according to UL 508/UL 60947-4-1 rated value operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 480 V according to UL 508/UL 60947- 4-1 rated value 63 A 600 V	• for short-circuit protection of the main circuit required	fuse gL/gG: 63 A
according UL operational current at AC according to UL 508/UL 60947-4-1 rated value operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 480 V according to UL 508/UL 60947- 4-1 rated value 40	• for short-circuit protection of the auxiliary switch required	fuse gL/gG: 10 A
operational current at AC according to UL 508/UL 60947-4-1 rated value operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 480 V according to UL 508/UL 60947- 4-1 rated value 63 A 600 V 600 V 600 V 600 V 600 V 600 V	operational current of upstream fuse rated value	63 A
rated value operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 480 V according to UL 508/UL 60947- 4-1 rated value 600 V 40	according UL	
active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value 40		63 A
4-1 rated value		600 V
active power [hp] at AC at 600 V according to UL 508/UL 60947-		40
4-1 rated value	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 5 kA 508/UL 60947-4-1		5 kA
continuous current of upstream fuse according to UL rated value 175 A	continuous current of upstream fuse according to UL rated value	175 A

type of fuse according to UL	RK5
Connections	
AWG number as coded connectable conductor cross section solid maximum	
•	6
•	14
type of connectable conductor cross-sections for copper conductor	
• solid	1x (2,535mm²)
 finely stranded with core end processing 	1x (2.516 mm²)
stranded	1x (2,535mm²)
type of connectable conductor cross-sections for auxiliary contacts	
• solid	lateral auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)
• finely stranded with core end processing	lateral auxiliary switch 2x (0,75 1,5mm²), 1x 2,5mm²; front auxiliary switch 1x 2,5mm²
• stranded	lateral auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)
type of electrical connection	
for main current circuit	box terminal
for auxiliary contacts	connection terminals
Mechanical Design	
height	91 mm
width	84 mm
depth	395 mm
type of device	fixed mounting
fastening method	Built-in unit fixed-mounted version
fastening method	
 4-hole front mounting 	Yes
 front mounting with central attachment 	No
rail mounting	Yes
net weight	634 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







Confirmation





General Product Approval

Marine / Shipping

other

Environmental Con-firmations

Environment

Miscellaneous





Miscellaneous

Confirmation

Environment

Environmental Con-firmations

Further information

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

Industry Mall (Online ordering system)

 $\underline{https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3LD2517-1TL11}$

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

https://support.industry.siemens.com/cs/ww/en/ps/3LD2517-1TL11

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2517-1TL11

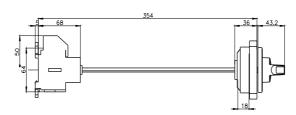
CAx-Online-Generator

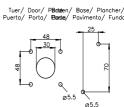
http://www.siemens.com/cax

Tender specifications

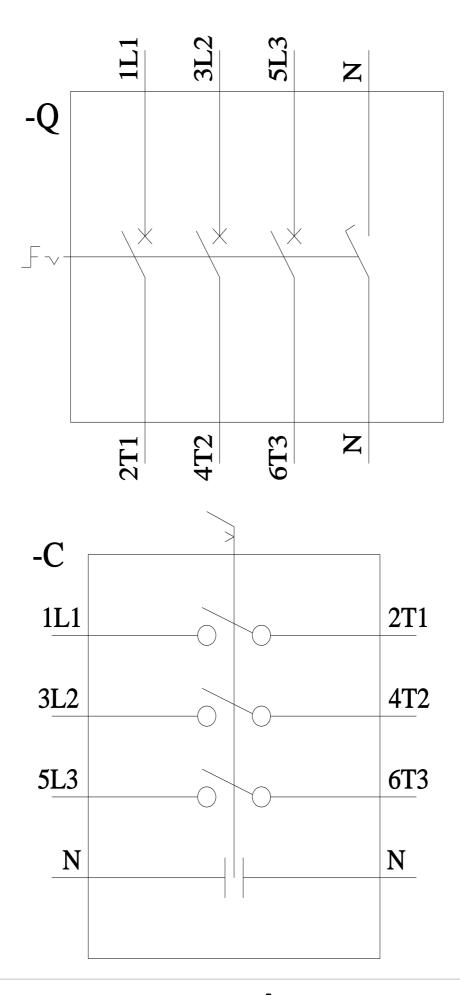
http://www.siemens.com/specifications











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