SIEMENS

Data sheet 3LD2217-1TL13



SENTRON, switch disconnector 3LD, EMERGENCY OFF switch, 4-pole, lu: 32 A, Operating power / at AC-23 A at 400 V: 11.5 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	4
size of switch disconnector	2
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	1.8 W
Main circuit	
operational current	
• at AC-21 at 690 V rated value	32 A
• at AC-21 A at 240 V rated value	32 A
• at AC-21 A at 400 V rated value	32 A
 at AC-21 A at 440 V rated value 	32 A

operating prover # all AC-23 A all 400 V rated value # all AC-23 A all 400 V rated value # all AC-23 A all 400 V rated value # all AC-23 A all 400 V rated value # all AC-23 A all 400 V rated value # all AC-23 A all 400 V rated value # all AC-3 all 200 V rated value #	• at AC-23 A at 400 V rated value	22 A
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permissible I2t value with closed switch	• at 440 V for combination switch + gG fuse maximum	4.5 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 by kA2.s design of the fuse link for short-circuit protection of the main circuit required fuse gL/gG: 40 A for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A 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 active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value 20 60947-4-1 rated value	· · · · · · · · · · · · · · · · · · ·	5 kA
at 440 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum be for short-circuit protection of the main circuit required fuse gL/gG: 40 A for short-circuit protection of the auxiliary switch required operational current of upstream fuse rated value 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 active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 600 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: 40 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 active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value 20 20 20	• at 240 V for combination switch + gG fuse maximum	9 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 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 active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value	• at 440 V for combination switch + gG fuse maximum	9 kA2.s
• 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 • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • fuse gL/gG: 10 A • do 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 active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value 20	• at 690 V for combination switch + gG fuse maximum	9 kA2.s
of r 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 active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value 20	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 active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value 20 60947-4-1 rated value	• for short-circuit protection of the main circuit required	fuse gL/gG: 40 A
according UL operational current at AC according to UL 508/UL 60947-4-1 32 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 active power [hp] at AC at 600 V according to UL 508/UL 20 60947-4-1 rated value	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 active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value 20 60947-4-1 rated value	operational current of upstream fuse rated value	40 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 active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value 20 60947-4-1 rated value	according UL	
active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value 20		32 A
active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value		600 V
60947-4-1 rated value		20
	60947-4-1 rated value	20
short-time withstand current (SCCR) at 600 V according to 5 kA	short-time withstand current (SCCR) at 600 V according to	5 kA

continuous current of upstream fuse according to UL rated value RK5 Connections AWG number as coded connectable conductor cross section solid maximum 8 AWG number as coded connectable conductor cross section solid maximum 8 4 vego of connectable conductor cross-sections for copper conductor conductor 144 type of connectable conductor cross-sections for copper conductor 1 x(1,516mm²) 6 finely stranded with core end processing 1 x(1,516mm²) 6 solid 1 x(1,516mm²) 4 year of connectable conductor cross-sections for auxiliary switch 2x (0,752,5mm²), 1x 4mm², front auxiliary switch 1x (0,752,5mm²) 1 x 4mm², front auxiliary switch 1x (0,752,5mm²), 1x 4mm², front auxiliary switch 1x (0,752,5mm²) 6 inely stranded with core end processing 1 ateral auxiliary switch 2x (0,752,5mm²), 1x 4mm², front auxiliary switch 1x (0,752,5mm²) 8 year of electrical connection 6 or main current circuit 9 box terminal 6 for main current circuit 9 box terminal 9 connection terminals 8 contained Design 9 mm 8 depth 9 mm 9 mm 4 hole front mounting 6 mm 9 mm 4 stending method 9 lill-in unit fixed-mounted version 9 mm 8	UL 508/UL 60947-4-1	
Type of fuse according to UL AWG number as coded connectable conductor cross section solid maximum AWG number as coded connectable conductor cross section solid maximum AWG number as coded connectable conductor cross-sections for copper conductor cross-sections for copper conductor A solid A so	continuous current of upstream fuse according to UL rated	80 A
AWG number as coded connectable conductor cross section solid maximum • a		Dive
AWG number as coded connectable conductor cross section solid maximum Section Sec		RK5
section solid maximum Procession of connectable conductor cross-sections for copper conductor solid		
type of connectable conductor cross-sections for copper conductor solid finely stranded with core end processing stranded type of connectable conductor cross-sections for auxiliary contacts solid finely stranded with core end processing stranded solid so	•	8
conductor solid 1x (1,516mm²) offirely stranded with core end processing 1x (1,516mm²) otype of connectable conductor cross-sections for auxiliary contacts I (1,516mm²) osolid lateral auxiliary switch 2x (0,752,5mm²), 1x 4mm²; front auxiliary switch 1x (0,752,5mm²) of finely stranded with core end processing lateral auxiliary switch 2x (0,752,5mm²), 1x 4mm²; front auxiliary switch 1x (2,5mm²) of stranded lateral auxiliary switch 2x (0,752,5mm²), 1x 4mm²; front auxiliary switch 1x (2,5mm²) of electrical connection International connection of or main current circuit box terminal of or auxiliary contacts onnection terminals Vecenarial Design 9 mm width 67 mm depth 9 mm width 67 mm depth 9 mm stenning method Built-in unit fixed-mounted version fastening method Built-in unit fixed-mounted version e front mounting with central attachment No of not mounting with central attachment No of not mounting with central conditions 431 g ambient temperature during operation	•	14
• finely stranded 1x (1,510mm²) type of connectable conductor cross-sections for auxillary contacts 1x (1,516mm²) • solid lateral auxiliary switch 2x (0,752,5mm²), 1x 4mm²; front auxiliary switch 1x (0,752,5mm²) • finely stranded with core end processing lateral auxiliary switch 2x (0,751,5mm²), 1x 2,5mm², front auxiliary switch 1x 2,5mm² • stranded lateral auxiliary switch 2x (0,752,5mm²), 1x 4mm²; front auxiliary switch 1x 2,5mm² c stranded connection 50x terminal • for main current circuit 50x terminal • for auxiliary contacts 50x terminal • for auxiliary contacts 50x terminal • for main current circuit 60x terminal • for auxiliary contacts 50x terminal • for auxiliary contacts 50x terminal • for auxiliary contacts 50x terminal • for main current circuit 60x terminal • for main current circuit 60x terminal • for for main current circuit 80x terminal • for minimy 67 mm • for minimy 48 mm • for minimum 25 °C • maximum 25 °C • mini	ž	
type of connectable conductor cross-sections for auxiliary contacts • solid • sinely stranded with core end processing • stranded • str	• solid	1x (1,516mm²)
type of connectable conductor cross-sections for auxiliary contacts Iateral auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²) • solid Iateral auxiliary switch 2x (0,75 1,5mm²), 1x 2,5mm²; front auxiliary switch 1x (0,75 2,5mm²) • finely stranded with core end processing Iateral auxiliary switch 2x (0,75 1,5mm²), 1x 2,5mm²; front auxiliary switch 1x (0,75 2,5mm²) • stranded Iateral auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²) type of electrical connection 6 for auxiliary contacts • for auxiliary contacts connection terminals beight 79 mm width 67 mm depth 385 mm type of device fixed mounting fastening method Built-in unit fixed-mounted version estening method Yes • 4-hole front mounting with central attachment No • roll mounting with central attachment No • roll mounting with central attachment As 1 Environmental conditions 25 °C • maximum -25 °C • minimum -25 °C • minimum -25 °C • minimum	 finely stranded with core end processing 	1x (1,510mm²)
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 • stranded 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) • stranded • for dectrical connection • for main current circuit • for auxiliary contacts • connection terminals • connection terminals • for main current circuit • for auxiliary contacts • connection terminals • for main current circuit • for main current circuit • for main current circuit • for main current during operation • 4-hole front mounting • 4-hole front mounting • fastening method • auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (2,5mm²) • pm m • for main current circuit • box terminal • connection terminals • for main current circuit • for maininum • conditions • fastening method • fastening method • fastening method • fastening method • fixed mounting • fastening method • fixed mounting • fastening method • auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (2,5mm²) • for maxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (2,5mm²) • for maxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (2,5mm²) • for maxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (2,5mm²) • for maxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (2,5mm²) • for maxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (2,5mm²) • for maxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (2,5mm²) • for maxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (2,5mm²) • for maxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²) • for maxiliary switch 2x (0,75 2,5mm²),	• stranded	1x (1,516mm²)
• finely stranded with core end processing • finely stranded with core end processing • stranded • for electrical connection • for main current circuit • for auxiliary contacts • for auxiliary contacts ### Application of the minials #### Application of the minials ### Application of the minials ####		
• stranded 2,5mm² lateral auxilliary 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 Mechanical Design Mechanical Design Mechanical Design Type of device fixed mounting 67 mm depth 385 mm type of device fixed mounting • 4-hole front mounting Yes • front mounting with central attachment No • rail mounting Yes net weight 431 g Environmental conditions ambient temperature during operation • minimum -25 °C • maximum -25 °C • minimum -25 °C • minimum -25 °C • minimum -55 °C	• solid	
type of electrical connection • for main current circuit • for auxiliary contacts feethanical Design Mechanical Design Methanical Design Methanical Design # 79 mm # width # 67 mm # depth # 385 mm # type of device # fixed mounting # stening method # 4-hole front mounting # of front mounting with central attachment # or all mounting # attempted	• finely stranded with core end processing	
• for main current circuit ● for auxiliary contacts connection terminals Mechanical Design Height 79 mm width 67 mm depth 385 mm type of device fixed mounting fastening method ● 4-hole front mounting ● front mounting with central attachment ● rail mounting Teal mounting Teal mounting Teal mounting ■ Wes Tend mounting Tend mou	• stranded	
• for auxiliary contacts Mechanical Design height 79 mm width 67 mm depth 385 mm type of device fixed mounting fastening method • 4-hole front mounting height yes • front mounting with central attachment hor aill mounting yes ret weight 431 g Environmental conditions ambient temperature during operation • minimum hor auxiling storage • minimum brind summinum storage • minimum brind summinum summinum storage • minimum brind summinum summinum storage • minimum brind summinum summinum summinum storage • minimum brind summinum summinum storage • minimum summinum summinum storage • minimum summinum storage • minimum summinum summinum storage • minimum summinum storage • minimum summinum summinum storage • minimum summinum storage • minimum summinum storage • minimum summinum storage • minimum summinum storage storage summinum storage summinum summinum storage summinum summinum storage summinum summinum storage summinum summinum summinum storage summinum summi	type of electrical connection	
height 79 mm width 67 mm depth 385 mm type of device fixed mounting fastening method Built-in unit fixed-mounted version fastening method Yes front mounting with central attachment rail mounting Yes net weight 431 g environmental conditions ambient temperature during operation	for main current circuit	box terminal
height 79 mm width 67 mm depth 385 mm type of device fixed mounting fastening method Built-in unit fixed-mounted version 4-hole front mounting Yes front mounting with central attachment No • rail mounting Yes net weight 431 g Environmental conditions ambient temperature during operation -25 °C • maximum 55 °C ambient temperature during storage - minimum • minimum -25 °C • minimum -25 °C • minimum -55 °C • maximum 55 °C	 for auxiliary contacts 	connection terminals
width 67 mm depth 385 mm type of device fixed mounting fastening method Built-in unit fixed-mounted version 4-hole front mounting Yes front mounting with central attachment No rail mounting Yes net weight 431 g Environmental conditions ambient temperature during operation • minimum • maximum 55 °C ambient temperature during storage • minimum • minimum • -25 °C ambient temperature during storage • minimum • minimum • -25 °C ambient temperature during storage • minimum • maximum • 55 °C	Mechanical Design	
depth 385 mm type of device fixed mounting fastening method Built-in unit fixed-mounted version fastening method	height	79 mm
fastening method fastening method • 4-hole front mounting • front mounting with central attachment • rail mounting net weight invironmental conditions ambient temperature during operation • maximum • c25 °C ambient temperature during storage • minimum • maximum • maximum • c25 °C • c55 °C	width	67 mm
Fastening method • 4-hole front mounting • front mounting with central attachment • rail mounting net weight Environmental conditions ambient temperature during operation • maximum • minimum • c25 °C ambient temperature during storage • minimum • minimum • -25 °C ambient temperature during storage • minimum • maximum 55 °C	depth	385 mm
fastening method • 4-hole front mounting • front mounting with central attachment • rail mounting ret weight Environmental conditions ambient temperature during operation • minimum • maximum -25 °C ambient temperature during storage • minimum • minimum -25 °C ambient temperature during storage • minimum -25 °C	type of device	fixed mounting
4-hole front mounting front mounting with central attachment rail mounting Yes net weight 431 g Environmental conditions ambient temperature during operation minimum maximum 55 °C ambient temperature during storage minimum -25 °C ambient temperature during storage minimum 55 °C	fastening method	Built-in unit fixed-mounted version
front mounting with central attachment rail mounting ret weight	fastening method	
● rail mounting Yes net weight 431 g Environmental conditions ambient temperature during operation -25 °C ● maximum 55 °C ambient temperature during storage -25 °C ● minimum -25 °C ● maximum 55 °C	4-hole front mounting	Yes
net weight Environmental conditions ambient temperature during operation • minimum • maximum 55°C ambient temperature during storage • minimum • maximum -25°C -25°C -25°C -55°C	 front mounting with central attachment 	No
ambient temperature during operation minimum	• rail mounting	Yes
ambient temperature during operation	net weight	431 g
● minimum -25 °C ● maximum 55 °C ambient temperature during storage ● minimum -25 °C ● maximum 55 °C	Environmental conditions	
● maximum55 °Cambient temperature during storage-25 °C● minimum-25 °C● maximum55 °C	ambient temperature during operation	
ambient temperature during storage	• minimum	-25 °C
 minimum -25 °C maximum 55 °C 	• maximum	55 °C
• maximum 55 °C	ambient temperature during storage	
	• minimum	-25 °C
pprovals Certificates	• maximum	55 °C
	Approvals Certificates	

General Product Approval













Miscellaneous

General Product Approval

Marine / Shipping

other

Environmental Con-firmations

Environment

Environmental Confirmations



Confirmation

Miscellaneous

Further information

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)

 $\underline{https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3LD2217-1TL13}$

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3LD2217-1TL13

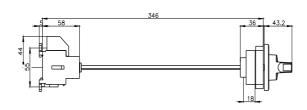
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2217-1TL13

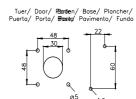
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Tender specifications

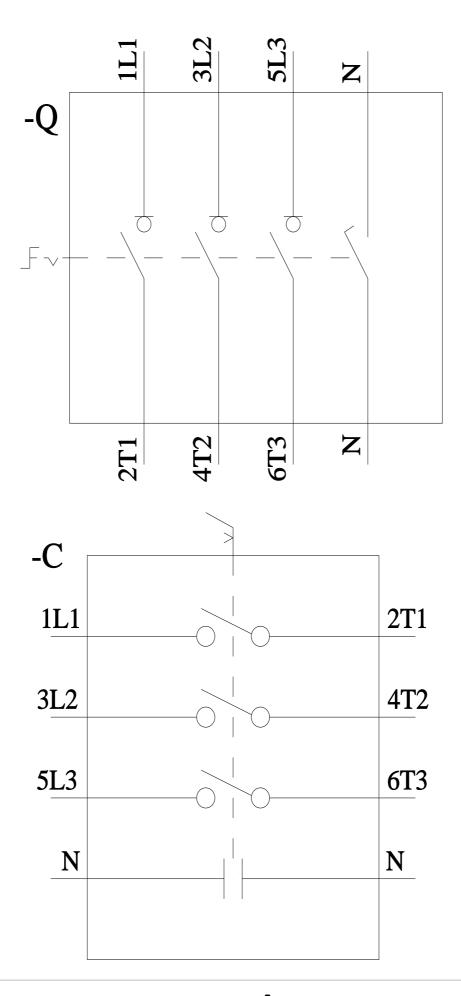
http://www.siemens.com/specifications











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