SIEMENS

Data sheet 3LD2418-0TK11



SENTRON, Switch disconnector 3LD, main switch, 3-pole, lu=250 A, Operating power / at AC-23 A at 400 V: 132 kW, floor mounting with door coupling, 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	3
size of switch disconnector	5
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	8 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	36 W
Main circuit	
operational current	
at AC-21 at 690 V rated value	250 A
• at AC-21 A at 240 V rated value	250 A
• at AC-21 A at 400 V rated value	250 A
• at AC-21 A at 440 V rated value	250 A

operating power all AC-29 A all 240 V raided value 55 kW all AC-3 all 240 V raided value 55 kW all AC-3 all 240 V raided value 55 kW all AC-3 all 240 V raided value 55 kW all AC-3 all 240 V raided value 55 kW all AC-3 all 240 V raided value 55 kW all AC-3 all 240 V raided value 45 kW Auxiliary circuit purpher of CD contacts for auxiliary contacts 0 cumber of NC contacts for auxiliary contacts 0 continuous current of the auxiliary contacts 0 continuous current of the auxiliary contact raided value 55 kW 56 cutting the contact of the auxiliary contacts 66 cutting the contact of the auxiliary contacts 67 cutting the contact of the auxiliary contact raided value 56 vice auxiliary for use avint-of the auxiliary contact raided value 56 vice auxiliary for use avint-of the auxiliary contact raided value 57 cutting the contact of the auxiliary contact raided value 58 vice auxiliary for use avint-of the auxiliary contact raided value 58 vice auxiliary for use avint-of the auxiliary contact auxiliary conta	at AC-23 A at 400 V rated value	224 A
* al AC-23 A at 480 V rided value 122 W * al AC-23 A at 480 V rided value 55 kW * at AC-23 A at 690 V rided value 55 kW * at AC-23 A at 690 V rided value 55 kW * at AC-23 A at 690 V rided value 55 kW * at AC-33 at 480 V rided value 55 kW * at AC-33 at 480 V rided value 55 kW * at AC-33 at 480 V rided value 45 kW * Anculary circuit * unmber of OC contacts for auxiliary contacts 0 cumber of NC contacts for auxiliary contacts 0 cumber of NC contacts for auxiliary contacts 0 cumber of NC contacts for auxiliary contacts 10 cumber of NC contacts for auxiliary contact 10 cumber of NC contacts for auxiliary switch raied value 500 V **Suttability for use main switch 10 cumber of NC contacts for auxiliary contact 10 cumber of NC contacts for auxiliary contact 10 cumber of NC contacts for auxiliary contacts 10 cumber of NC contacts for auxiliary contacts 10 cumber of connectable NC contacts for auxiliary contacts 10 cumber of connectable NC contacts for auxiliary contacts 10 cumber of connectable NC contacts for auxiliary contacts 10 cumber of connectable NC contacts for auxiliary contacts 10 cumber of connectable NC contacts for auxiliary contacts 10 cumber of connectable NC contacts for auxiliary contacts 10 cumber of connectable NC contacts for auxiliary contacts 10 cumber of connectable NC contacts for auxiliary contacts 10 cumber of connectable NC contacts for auxiliary contacts 11 cumber of connectable NC contacts for auxiliary contacts 11 cumber of connectable NC contacts for auxiliary contacts 11 cumber of		LLTI
e il AC-23 A at 400 V rated value 132 kW 14 AC-3 at 240 V rated value 55 kW 14 AC-3 at 240 V rated value 55 kW 14 AC-3 at 240 V rated value 55 kW 14 AC-3 at 260 V rated value 55 kW 14 AC-3 at 260 V rated value 55 kW 14 AC-3 at 260 V rated value 55 kW 14 AC-3 at 260 V rated value 55 kW 14 AC-3 at 260 V rated value 55 kW 14 AC-3 at 260 V rated value 55 kW 14 AC-3 at 260 V rated value 50 AC-3 at 260 V rated value 75 AC-3		75 kW
e al AC-23 A at 440 V raied value 55 kW 6		
e al AC-3 at 48 90 V rated value 55 kW e at AC-3 at 240 V rated value 55 kW at AC-3 at 400 V rated value 48 kW 48		
of AC-3 at 240 V rated value of AC-3 at 260 V rated value of Accidence of A		100
and AC-3 at 400 V rated value at AC-3 at 400 V rated value 45 kW Auditary 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 peraling voltage of auxiliary contacts at AC maximum 500 V continuous current of the auxiliary surths rated value 600 V Surthability for use main switch surthability for use main switch 45 suitability for use switch disconnector Yes suitability for use maintenancolrepair switch Yes Product Cataliti product feature can be locked into OFF position Yes **Contact Cataliti ** **Product Cataliti ** ** ** ** ** ** ** ** ** ** ** ** **		
and ACS at 890 V rated value Auxiliary circuit number of CO contacts for auxiliary contacts number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 operating voltage of auxiliary contacts at AC maximum 500 V continuous current of the auxiliary contact at AC maximum 500 V continuous current of the auxiliary contact at AC maximum 500 V suitability suitability for use main switch Yes suitability for use main switch Ves suitability for use switch disconnector Yes suitability for use safety switch ves Product datalis product takension optional • more drive • voltage trigger your dust extension optional • more drive • voltage trigger No No 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 connectable NC contacts for auxiliary contacts attachable maximum 15 KA 16 80 V by gG fuse rated value 16 80 V by gG fuse rated value 17 80 V for combination switch + gG fuse maximum 18 AC		
Auxiliary circuit. number of CC contacts for auxiliary contacts number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 porenting votage of auxiliary contacts at AC maximum continuous current of the auxiliary contact sate value insulation votage of the auxiliary contact rated value suitability for use main switch suitability for use which disconnector Yes suitability for use which disconnector Yes suitability for use was witch disconnector Yes suitability for use was after switch Yes suitability for use and for year of yes suitability for use and for year of yes suitability for use and for year of yes suitability for use and year of year suitability for use and year year product details prod		
number of CO contacts for auxiliary contacts number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts at AC maximum continuous current of the auxiliary contacts at AC maximum continuous current of the auxiliary contacts at AC maximum continuous current of the auxiliary contacts at AC maximum continuous current of the auxiliary contacts at AC maximum continuous current of the auxiliary contact at act act act act act act act act		40 KVV
number of NC contacts for auxillary contacts number of NO contacts for auxillary contacts operating voltage of auxillary contact at AC maximum continuous current of the auxillary contact rated value suitability suitability for use which disconnector suitability for use which disconnector Yes suitability for use switch disconnector Yes suitability for use switch disconnector Yes suitability for use switch disconnector Yes suitability for use main switch Yes suitability for use main experiment yes suitability for use maintenance/repair ewitch Yes product factable reproduct factable and the special of		0
number of NO contacts for auxiliary contacts 0 operating voltage of auxiliary contacts at AC maximum continuous current of the auxiliary contact and value insulation voltage of the auxiliary switch rated value suitability for use main switch suitability for use switch disconnector Suitability for use safety switch suitability suitability switch suitability switch suitability suitability suitability suitability suitability suitability suitability su		
operating voltage of auxiliary contacts at AC maximum continuous current of the auxiliary contact rated value insulation voltage of the auxiliary switch rated value 500 V Suitability suitability for use main switch suitability for use switch disconnector yes suitability for use switch disconnector yes suitability for use switch disconnector yes suitability for use safety switch Yes suitability for use safety switch Yes suitability for use maintenance/repair switch Yes product dealure can be locked into OFF position **Cocssories** product dealure can be locked into OFF position **Cocssories** product desture can be locked into OFF position **Cocssories** product desture can be locked into OFF position **Cocssories** product desture can be locked into OFF position **Cocssories** product desture can be locked into OFF position **Cocssories** product desture can be locked into OFF position **Cocssories** product desture can be locked into OFF position **Cocssories** product desture can be locked into OFF position **Cocssories** product desture can be locked into OFF position **Cocssories** No number of connectable NC contacts for auxiliary contacts statischable maximum number of connectable NC contacts for auxiliary contacts statischable maximum number of ronnectable NC contacts for auxiliary contacts statischable maximum 3 number of ronnectable NC contacts for auxiliary contacts statischable maximum 3 has ptinckness of the bracket locks maximum 3 has ptinckness of the bracket locks for auxiliary contacts storic can be auxiliary contacts statischable maximum 3 has ptinckness of the bracket locks for auxiliary contacts storic can be auxiliary contacts storic c		
continuous current of the auxiliary contact rated value insulation voltage of the auxiliary switch rated value 500 V insulation voltage of the auxiliary switch rated value 500 V suitability for use main switch ves suitability for use main switch ves suitability for use switch disconnector ves suitability for use safety switch ves suitability for use safety switch ves suitability to use maintenance/repair switch ves suitability to use maintenance/repair switch ves product details product feature can be tocked into OFF position ves voltage trigger No number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable NC contacts for auxiliary contacts statchable maximum number of connectable CO contacts for auxiliary contacts attachable maximum number of connectable CO contacts for auxiliary contacts statchable maximum number of connectable CO contacts for auxiliary contacts statchable maximum number of bracket locks of the bracket locks Short circuit conditional short-circuit current with line-side fuse protection • at 890 V by gG fuse rated value 15 kA 15 kA 15 kA 16 kA 17 kA 18 kA 18 kA 19 kB 18 kA 19 kB 10		
Insulation voltage of the auxiliary switch rated value Sittability Suitability for use switch disconnector Yes Suitability for use switch disconnector Yes Suitability for use safety switch Suitability for use main switch Yes Suitability for use safety switch Yes Product destails product feature can be locked into OFF position Product destails product estails prod		
Sultability for use small switch Sultability for use SMERGENCY OFF switch Sultability for use safety switch Yes SUCCESSORIES Product details Product details Sultability for use safety switch Sultability or use safety switch Sultability for use safety switch Sultability for use safety switch Sultability for use safety switch sultability safety sa	-	
suitability for use switch disconnector Suitability for use Switch disconnector Suitability for use MERCERCY OFF switch Suitability for use MERCERCY OFF switch Suitability for use safety switch Suitability for use safety switch Yes Product details Produc	,	300 V
suitability for use switch disconnector suitability for use EMERGENCY OFF switch No suitability for use maintenance/repair switch Product details product feature can be locked into OFF position Product details product stansion optional motor drive voltage frigger No 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 connectable NC contacts for auxiliary contacts attachable maximum number of connectable NC contacts for auxiliary contacts attachable maximum number of bracket locks maximum hasp thickness of the bracket locks - at 690 V by GG fuse rated value 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 permissible 12 value with closed switch at 480 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 for short-circuit protection of the main circuit required for short-circuit protection of the maximum systich required for short-circuit protection of the auxiliary switch required operational current at AC according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 480 V according to UL 508/UL active power [hp] at AC at 480 V according to UL 508/UL active power [hp] at AC at 480 V according to UL 508/UL active power [hp] at AC at 480 V according to UL 508/UL active power [hp] at AC at 480 V according to UL 508/UL active power [hp] at AC at 480 V according to UL 508/UL active power [hp] at AC at 480 V according to UL 508/UL active power [hp] at AC at 480 V according to UL 508/UL active power [V
suitability for use safety switch suitability for use safety switch Yes suitability for use safety switch Yes Product details product feature can be locked into OFF position Yes Product extension optional • motor drive • voltage trigger No 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 connectable NC contacts for auxiliary contacts statachable maximum 3 number of connectable NC contacts for auxiliary contacts statachable maximum 3 number of bracket locks maximum 3 hasp thickness of the bracket locks 46 mm Short circuit conditional short-circuit current with line-side fuse protection • at 680 V by gG fuse rated value 15 kA • at 440 V for combination switch + gG fuse maximum • at 680 V for combination switch + gG fuse maximum • at 680 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 450 V for combination switch + gG fuse maximum • at 657 kA2.s • 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 • 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 • at 690 V for combination switch + gG fuse maximum • at 690	·	
suitability for use safety switch Yes suitability for use maintenance/repair switch Product details product feature can be locked into OFF position Product veterals product veterals on potional * motor drive No 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 connectable NC contacts for auxiliary contacts attachable maximum number of bracket locks maximum number of veteral 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 480 V for combination switch + gG fuse maximum permissible 12t value with closed switch • at 240 V for combination switch + gG fuse maximum at 480 V for combination switch + gG fuse maximum at 440 V for combination	· · · · · · · · · · · · · · · · · · ·	
suitability for use maintenance/repair switch Product details product extension optional		
Product details product feature can be locked into OFF position * motor drive		
product feature can be locked into OFF position Cossories		res
product extension optional		Vac
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 CO contacts for auxiliary contacts attachable maximum number of bracket locks during the protection • at 690 V by gG fuse rated value • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum permissible Izt 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 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 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 • 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 • 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 • 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 fuse fuse fuse fuse fuse fuse fuse	· · · · · · · · · · · · · · · · · · ·	100
woltage trigger w		
• 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 recket locks maximum number of pracket locks maximum al masp 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 10 through current with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum 2 at 690 V for orbination switch + gG fuse maximum 2 at 690 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum 557 kA2.s • at 240 V for combination switch + gG fuse maximum 557 kA2.s • at 440 V for combination switch + gG fuse maximum 557 kA2.s • at 690 V for combination switch + gG fuse maximum 557 kA2.s • at 690 V for combination switch + gG fuse maximum 557 kA2.s • at 690 V for combination switch + gG fuse maximum 557 kA2.s • at 690 V for combination switch + gG fuse maximum 557 kA2.s • at 690 V for combination switch + gG fuse maximum 557 kA2.s • at 690 V for combination switch + gG fuse maximum 557 kA2.s • at 690 V for combination switch + gG fuse maximum 557 kA2.s • at 690 V for combination switch + gG fuse maximum 557 kA2.s • at 690 V for combination switch + gG fuse maximum 557 kA2.s • at 690 V for combination switch + gG fuse maximum 657 kA2.s • at 690 V for combination switch + gG fuse maximum 657 kA2.s • at 690 V for combination switch + gG fuse maximum 657 kA2.s • at 690 V for combination switch + gG fuse maximum 657 kA2.s • at 690 V for combination switch + gG fuse maximum 657 kA2.s • at 690 V for combination switch + gG fuse maximum • at 690 V for combin	·	No
number of connectable NC 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 Ma		
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 namber of bracket locks maximum namber of bracket locks defined by the contact of the protection attachable maximum number of bracket locks defined by the conditional short-circuit current with line-side fuse protection at 690 V by G fuse rated value at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum bermissible 12t value with closed switch at 240 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum bermissible 12t value with closed switch at 440 V for combination switch + gG fuse maximum for the fuse of the fuse link for short-circuit protection of the main circuit required for short-circuit protection of the maximum for switch required operational current of upstream fuse rated value 250 A coording UL operational current at AC 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 480 V 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 480 V 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		
attachable maximum number of connectable CO contacts for auxiliary contacts attachable maximum 3 hasp thickness of the bracket locks	attachable maximum	
attachable maximum number of bracket locks maximum 1 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 15 kA let-through current with closed switch • at 240 V for combination switch + gG fuse maximum 15 kA • at 440 V for combination switch + gG fuse maximum 2 th 440 V for combination switch + gG fuse maximum 2 th 440 V for combination switch + gG fuse maximum 2 th 240 V for combination switch + gG fuse maximum 3 th 440 V for combination switch + gG fuse maximum 4 th 440 V for combination switch + gG fuse maximum 557 kA2.s • at 440 V for combination switch + gG fuse maximum 557 kA2.s • at 690 V for combination switch + gG fuse maximum 557 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 0 for short-circuit protection of the auxiliary switch required 1 sue gL/gG: 250 A 1 sue gL/gG: 10 A 1 operational current at AC according to UL 508/UL 60947-4-1 2 trated value 2 to power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value 2 to power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value 2 to power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value	attachable 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 • at 240 V for combination switch + gG fuse maximum • at 4690 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 240 V for combination switch + gG fuse maximum permissible 12t value with closed switch • at 240 V for combination switch + gG fuse maximum 557 kA2.s • at 440 V for combination switch + gG fuse maximum 557 kA2.s • at 690 V for combination switch + gG fuse maximum 557 kA2.s • at 690 V for combination switch + gG fuse maximum 557 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 • for short-circuit protection of the auxiliary switch required • porational current of upstream fuse rated value 250 A coording 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		0
Conditional short-circuit current with line-side fuse protection • at 690 V by gG fuse rated value • 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 440 V for combination switch + gG fuse maximum permissible I2t 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 • for short-circuit protection of the main circuit required • 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 • 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: 250 A • 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 • operational current at AC according to UL 508/UL 60947-4-1 rated value • operational current at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value • operational current at AC at 480 V according to UL 508/UL 60947-4-1 rated value	number of bracket locks maximum	3
conditional short-circuit current with line-side fuse protection • at 690 V by gG fuse rated value 15 kA • at 240 V for combination switch + gG fuse maximum • at 240 V for combination switch + gG fuse maximum • at 240 V for combination switch + gG fuse maximum • at 240 V for combination switch + gG fuse maximum • at 240 V for combination switch + gG fuse maximum • at 240 V for combination switch + gG fuse maximum • at 240 V for combination switch + gG fuse maximum • at 240 V for combination switch + gG fuse maximum • at 240 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 active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value	hasp thickness of the bracket locks	4 6 mm
protection • at 690 V by gG fuse rated value let-through current with closed switch • at 240 V for combination switch + gG fuse maximum 15 kA • at 440 V for combination switch + gG fuse maximum permissible l2t value with closed switch • at 240 V for combination switch + gG fuse maximum permissible l2t value with closed switch • at 240 V for combination switch + gG fuse maximum 557 kA2.s • at 440 V for combination switch + gG fuse maximum 557 kA2.s • at 690 V for combination switch + gG fuse maximum 557 kA2.s • at 690 V for combination switch + gG fuse maximum 557 kA2.s design of the fuse link • for short-circuit protection of the main circuit required • fuse gL/gG: 250 A • for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A operational current of upstream fuse rated value 250 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	Short circuit	
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 240 V for combination switch + gG fuse maximum • at 240 V for combination switch + gG fuse maximum • 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 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 • poperational 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		
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 bermissible 15 kA 16 at 690 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 be 15 kA 15	at 690 V by gG fuse rated value	50 kA
at 440 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum permissible I2t 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 4690 V for combination switch + gG fuse maximum before the fuse link af 690 V for combination switch + gG fuse maximum befor short-circuit protection of the main circuit required af fuse gL/gG: 250 A befor short-circuit protection of the auxiliary switch required before the fuse fuse fuse fuse 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 coperational current at AC at 480 V according to UL 508/UL before the fuse fuse fuse fuse fuse fuse fuse fus	let-through current with closed switch	
at 690 V for combination switch + gG fuse maximum permissible 12t 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 557 kA2.s at 690 V for combination switch + gG fuse maximum 557 kA2.s design of the fuse link af for short-circuit protection of the main circuit required fuse gL/gG: 250 A fuse gL/gG: 10 A operational current of upstream fuse rated value 250 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 active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value 75	• at 240 V for combination switch + gG fuse maximum	15 kA
Detail of the fuse link	• at 440 V for combination switch + gG fuse maximum	15 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 557 kA2.s at 690 V for combination switch + gG fuse maximum 557 kA2.s design of the fuse link af for short-circuit protection of the main circuit required fuse gL/gG: 250 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 75		15 kA
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 557 kA2.s design of the fuse link at 690 V for short-circuit protection of the main circuit required at 690 V for short-circuit protection of the main circuit required at 690 V for short-circuit protection of the main circuit required at 690 V for short-circuit protection of the auxiliary switch required at 690 V for short-circuit protection of the auxiliary switch required at 690 V gG: 250 A according UL according UL according UL 508/UL 60947-4-1 active power [hp] at AC at 50/60 Hz according to UL 508/UL active power [hp] at AC at 600 V according to UL 508/UL 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 be for short-circuit protection of the main circuit required fuse gL/gG: 250 A for short-circuit protection of the auxiliary switch required poperational current of upstream fuse rated value coperational current at AC according to UL 508/UL 60947-4-1 rated value coperating voltage at AC at 50/60 Hz according to UL 508/UL foo47-4-1 rated value active power [hp] at AC at 480 V according to UL 508/UL foo47-4-1 rated value active power [hp] at AC at 600 V according to UL 508/UL foo47-4-1 rated value active power [hp] at AC at 600 V according to UL 508/UL foo47-4-1 rated value foo47-4-1 rated value foo47-4-1 rated value foo47-4-1 rated value foo57 kA2.s fuse gL/gG: 250 A fuse gL/gG: 250 A fuse gL/gG: 250 A foo6	• at 240 V for combination switch + gG fuse maximum	557 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 • for short-circuit protection of the auxiliary switch required operational current of upstream fuse rated value 250 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 75	• at 440 V for combination switch + gG fuse maximum	557 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 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 75	• at 690 V for combination switch + gG fuse maximum	557 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 active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value 75	• for short-circuit protection of the main circuit required	fuse gL/gG: 250 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 75	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 75	operational current of upstream fuse rated value	250 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 75	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 75		250 A
active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value 75		600 V
60947-4-1 rated value		100
short-time withstand current (SCCR) at 600 V according to 10 kA		75
	short-time withstand current (SCCR) at 600 V according to	10 kA

UL 508/UL 60947-4-1	
continuous current of upstream fuse according to UL rated value	200 A
type of fuse according to UL	RK5
Connections	
AWG number as coded connectable conductor cross section solid maximum	
•	1
•	4/0
type of connectable conductor cross-sections for copper conductor	
• solid	1x (16185mm²)
 finely stranded with core end processing 	1x (16150mm²)
• stranded	1x (16185mm²)
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	169 mm
width	112 mm
depth	94 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	No
net weight	2 761 g
Environmental conditions	
ambient temperature during operation	
• minimum	-25 °C
• maximum	55 °C
ambient temperature during storage	
• minimum	-25 °C
maximum	55 °C
Approvals Certificates	

General Product Approval







Confirmation





other Environment

Confirmation **Miscellaneous Environmental Con-Environmental Con**firmations <u>firmations</u>

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)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3LD2418-0TK11

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

https://support.industry.siemens.com/cs/ww/en/ps/3LD2418-0TK11

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2418-0TK11

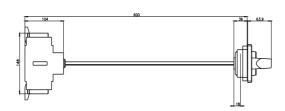
CAx-Online-Generator

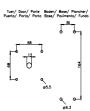
http://www.siemens.com/cax

Tender specifications

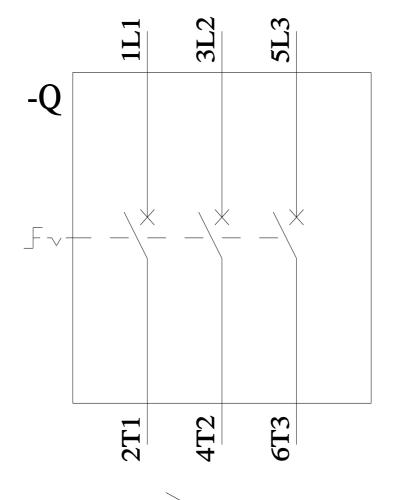
http://www.siemens.com/specifications

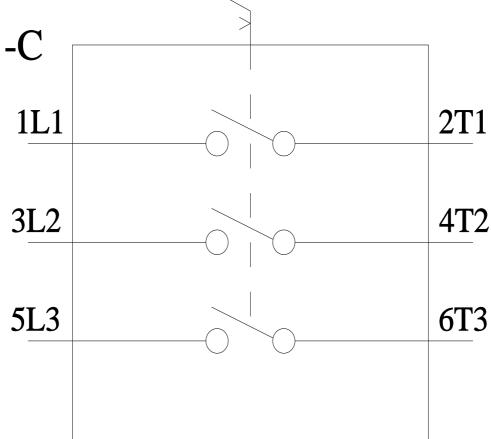












last modified: 6/20/2023 🖸