## **SIEMENS**

Data sheet 3LD2318-0TK13



SENTRON, Switch disconnector 3LD, emergency switching-off switch, 3- pole, lu: 160 A, operating power / at AC-23 A 400 V: 75 kW, floor mounting with door coupling, 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	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
/oltage	
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	160 A
• at AC-21 A at 240 V rated value	160 A
• at AC-21 A at 400 V rated value	160 A
• at AC-21 A at 440 V rated value	160 A

* et al. A.2.3 A at 3.40 V rated value 75 kW 75 kW 1 A 2.40 V rated value 75 kW 1 A 2.40 A at 3.40 V rated value 75 kW 1 A 2.40 A at 4.40 V rated value 45 kW 1 A 2.40 A at 4.40 V rated value 55 kW 1 A 2.40 V rated value 65 kW 1 A 2.40 V rated value 7 A 2.40 V rated value 8 A 2	-t AO 00 A -t 400 Vt- d v-lv-	400 A
* al AC-23 A at 400 V related value 75 kW 14.0 C 23 A at 440 V related value 75 kW 2	at AC-23 A at 400 V rated value	132 A
e al AC-23 A at 400 V rated value 75 kW 9 e AC-23 A at 400 V rated value 50 kW 9 e AC-23 A at 400 V rated value 50 kW 9 e AC-23 A at 600 V rated value 50 kW 9 e AC-23 A at 600 V rated value 50 kW 9 e AC-23 A at 600 V rated value 50 kW 9 e AC-23 A at 600 V rated value 50 kW 9 e AC-23 A at 600 V rated value 50 kW 9 e AC-23 A at 600 V rated value 50 kW 9 e AC-23 A at 600 V rated value 50 kW 9 e AC-23 A at 600 V rated value 60 kW 9 e AC-23 A at 600 V rated value 7 kW 9 e AC-23 A at 600 V rated value 7 kW 9 e AC-23 A at 600 V rated value 7 kW 9 e AC-23 A at 600 V rated value 7 kW 9 e AC-23 A at 600 V rated value 7 kW 9 e AC-23 A at 600 V rated value 7 kW 9 e AC-23 A at 600 V rated value 7 kW 9 e AC-23 A at 600 V rated value 7 kW 9 e AC-23 A at 600 V rated value 7 kW 9 e AC-23 A at 600 V rated value 8 kW 9 e AC-23 A at 600 V rated value 8 kW 9 e AC-23 A at 600 V rated value 8 kW 9 e AC-23 A at 600 V rated value 8 kW 9 e AC-23 A at 600 V rated value 8 kW 9 e AC-23 A at 600 V rated value 8 kW 9 e AC-23 A at 600 V rated value 9 kW 9 e AC-23 A at 600 V		75 134
In IAC-23 A at 440 V rated value		
e al AC-3 at 400 V rated value 45 kW at AC-3 at 240 V rated value 55 kW at AC-3 at 240 V rated value 55 kW at AC-3 at 260 V rated value 55 kW at AC-3 at 260 V rated value 75 kW at AC-3 at 260 V rated value 75 kW at AC-3 at 260 V rated value 87 kW at AC-3 at 260 V rated value 97 kW at 260 V rated value 97 kW at AC-3 at 260 V rated value 97 kW at AC-3 at 260 V rated value 97 kW at AC-3 at 260 V rated value 97 kW at AC-3 at 260 V rated value 97 kW at AC-3 at 260 V rated value 97 kW at AC-3 at 260 V rated value 97 kW at AC-3 at 260 V rated		
e at AC-3 at 240 V rated value		
e at AC-3 at 400 V rated value 27 kW at AC-3 at 800 V rated value 27 kW Auctions y circuit number of CO contacts for auxiliary contacts 0 number of NO contacts for auxiliary contacts 0 number of NO contacts for auxiliary contacts 0 poperating voltage of auxiliary contact at AC maximum 500 V continuous current of the auxiliary contact rated value insulation voltage of the auxiliary contact rated value 500 V suitability for use main switch 10 kW suitability for use main switch 10 kW suitability for use switch disconnector 10		
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 Comaximum  500 V  continuous current of the auxiliary contacts at Comaximum  500 V  insulation voltage of the auxiliary contacts at Comaximum  500 V  suitability  suitability for use main switch  8  8  8  8  8  8  8  8  8  8  8  8  8		
Auxiliarry circuit number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 number of NO contacts for auxiliary contacts 0 poerating voltage of auxiliary contacts at AC maximum 500 V continuous current of the auxiliary contact rated value 10 A insulation voltage of the auxiliary contact rated value 10 A insulation voltage of the auxiliary contact rated value 10 A insulation voltage of the auxiliary contact rated value 10 A insulation voltage of the auxiliary contact rated value 10 A insulation voltage of the auxiliary contact value 10 A insulation voltage of the auxiliary contact value 10 A insulation voltage of the auxiliary contact value 10 A insulation voltage of the auxiliary contact value 10 A insulation voltage of value 11 A insulation voltage of value 12 A insulation voltage of value 12 A insulation voltage of value 13 A insulation voltage of value 14 A insulation voltage of value 15 A insulation voltage of value 15 A insulation voltage of value 15 A insulation voltage of value 16 A insulation voltage of value 17 A insulation voltage of value 18 A insulation voltage of value 18 A insulation voltage of value 18 A insulation voltage of value 19 A insulation vol		50 kW
number of CO contacts for auxiliary contacts  number of NC contacts for auxiliary contacts  number of NC contacts for auxiliary contacts at Co 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 aC maximum  continuous current of the auxiliary contact at act act act act act act act act		37 kW
number of NC contacts for auxillary contacts 0 poperating voltage of auxillary contact at AC maximum continuous current of the auxillary contact rated value sizulation of the auxillary contact rated value 500 V  Suitability suitability for use witch disconnector Yes suitability for use witch disconnector Yes suitability for use witch disconnector Yes suitability for use switch disconnector Yes suitability for use switch disconnector Yes suitability for use main switch Yes suitability for use maintenance/repair switch Yes sucksories Product Statis product feature can be locked into OFF position Yes sucksories  Product Statish connectable NC contacts for auxilliary contacts attachable maximum anumber of connectable NC contacts for auxilliary contacts attachable maximum number of tonnectable NC contacts for auxilliary contacts attachable maximum 3 anasp thickness of the bracket locks 4 - 6 mm  Short circuit conditional short-circuit current with line-side fuse protection • at 890 V by gG fuse rated value  Bet-through current with closed switch • at 240 V for combination switch + gG fuse maximum 15 kA 15 kA 15 kA 15 kA 15 kA 16 kA 18 kA2.s 1	Auxiliary circuit	
number of NO contacts for auxiliary contacts at AC maximum continuous current of the auxiliary contact rated value insulation voltage of the auxiliary switch rated value  South Statebility suitability for use main switch suitability for use switch disconnector Suitability for use switch switch Suitability for use switch disconnector Suitability for use safety switch Yes Suitability for use safety switch Yes Suitability for use safety switch Yes Suitability for use maintenance/repair switch Yes Product details Product details Product details Product extension optional South Sout	number of CO contacts for auxiliary contacts	0
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 suitability for use maintenance/repair switch Yes suitability for use maintenance/repair switch Yes Product details product deature can be locked into OFF position Yes **Cocksorids** product stension optional • motor drive • voltage trigger No number of connectable NC contacts for auxiliary contacts attachable maximum • mumber of connectable NC contacts for auxiliary contacts attachable maximum **Summer of connectable NC contacts for auxiliary contacts attachable maximum **Summer of connectable NC contacts for auxiliary contacts attachable maximum **Summer of the section of the maximum **Summer of the section of the maximum **at 460 V for combination switch + gG fuse maximum **at 460 V for combination switch + gG fuse maximum **at 460 V for combination switch + gG fuse maximum **at 460 V for combination switch + gG fuse maximum **at 460 V for combination switch + gG fuse maximum **at 460 V for combination switch + gG fuse maximum **at 460 V for combination switch + gG fuse maximum **at 460 V for combination switch + gG fuse maximum **at 460 V for combination switch + gG fuse maximum **at 460 V for combination switch + gG fuse maximum **at 460 V for combination switch + gG fuse maximum **at 460 V for combination switch + gG fuse maximum **at 460 V for combination switch + gG fuse maximum **at 460 V for combination switch + gG	number of NC contacts for auxiliary contacts	0
continuous current of the auxiliary contact rated value insulation voltage of the auxiliary switch rated value  S00 V  Suitability suitability for use main switch Suitability for use switch disconnector Yes Suitability for use switch disconnector Yes Suitability for use safety switch No Suitability for use safety switch	number of NO contacts for auxiliary contacts	0
Insulation voltage of the auxiliary switch rated value  Sultability for use main switch  No  Sultability for use switch disconnector  Yes  Sultability for use switch disconnector  Yes  Sultability for use safety switch  Yes  Sultability for use maintenance/repair switch  Yes  Sultability for use maintenance/repair switch  Yes  Product desture  Froduct feature	operating voltage of auxiliary contacts at AC maximum	500 V
Suitability for use switch disconnector  yes suitability for use SMERGENCY OFF switch Suitability for use SMERGENCY OFF switch Yes suitability for use SMERGENCY OFF switch Yes suitability for use maintenance/repair switch Yes suitability for use maintenance/repair switch Yes product details Product details Product details Product details Product extension optional — motor drive — voitage 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 CO 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 connectable CO 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 connectable CO 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 racket locks maximum — as televity of the contacts for auxiliary contacts  15 kA  16 kA  16 kA  16 kA  16 kA  17 kA  18 kA2.8  18 kA2.9  18 kA2	continuous current of the auxiliary contact rated value	10 A
suitability for use switch disconnector Suitability for use SMERGENCY OFF switch Yes Suitability for use EMERGENCY OFF switch Yes Suitability for use MERGENCY OFF switch Yes Suitability for use maintenance/repair switch Yes Product details product feature can be looked into OFF position Yes  Product details  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 NO contacts for auxiliary contacts attachable maximum  number of connectable NO contacts for auxiliary contacts attachable maximum  number of bracket locks maximum 3 number of bracket locks maximum 3 hasp thickness of the bracket locks 4 8 mm  Short circuit  conditional short-circuit current with line-side fuse protection • at 690 V by GG fuse rated value  15 kA  12 value with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 650 V	insulation voltage of the auxiliary switch rated value	500 V
suitability for use switch disconnector  suitability for use EMERGENCY OFF switch  yes  suitability for use asfety switch  yes  product feature can be locked into OFF position  Product extension optional  motor drive  voltage trigger  No  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 bracket locks auxiliary contacts attachable maximum  3  hasp thickness of the bracket locks  Short circuit  conditional short-circuit current with line-side fuse protection  at 800 V by gG fuse rated value  50 kA  let-through current with closed switch  at 440 V for combination switch + gG fuse maximum  at 440 V for combination switch + gG	Suitability	
suitability for use safety switch  yes  suitability for use safety switch  Yes  yes  suitability for use maintenance/repair switch  Yes  product details  product feature can be locked into OFF position  entor drive  voltage trigger  No  number of connectable NC contacts for auxiliary contacts statchable maximum  number of connectable NC contacts for auxiliary contacts statchable maximum  number of connectable NC contacts for auxiliary contacts statchable maximum  number of connectable NC contacts for auxiliary contacts statchable maximum  number of connectable NC contacts for auxiliary contacts statchable maximum  number of bracket locks maximum  a hasp thickness of the bracket locks  4 6 mm  Short circuit  conditional short-circuit current with line-side fuse protection  a t 690 V by gG fuse rated value  15 kA  a t 240 V for combination switch + gG fuse maximum  a t 690 V for combination switch + gG fuse maximum  at 440 V for combination switch + gG fuse m	suitability for use main switch	No
suitability for use safety switch Yes  violate triangle of the same transport of the sam	suitability for use switch disconnector	Yes
suitability for use maintenance/repair switch Product details  product teature can be locked into OFF position product teature can be locked into OFF position  secsories  product extension optional enter of crivie evoltage 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 CO contacts for auxiliary contacts attachable maximum number of connectable CO contacts for auxiliary contacts attachable maximum number of pracket locks maximum 3 hasp thickness of the bracket locks 4 6 mm  Short circuit  conditional short-circuit current with line-side fuse protection e1 690 Vby gG fuse rated value 50 kA  let-through current with closed switch e1 24 240 Vfor combination switch + gG fuse maximum e1 4440 Vfor combination switch + gG fuse maximum e1 440 V for combination switch + gG fuse maximum e1 440 V for combination switch + gG fuse maximum e1 440 V for combination switch + gG fuse maximum e1 440 V for combination switch + gG fuse maximum e1 45 kA2.s e1 4500 V for combination switch + gG fuse maximum e1 45 kA2.s e1 4500 V for combination switch + gG fuse maximum e1 45 kA2.s e1 4600 V for combination switch + gG fuse maximum e1 45 kA2.s e1 4600 V for combination switch + gG fuse maximum e1 45 kA2.s e1 4600 V for combination switch + gG fuse maximum e1 45 kA2.s e1 4600 V for combination switch + gG fuse maximum e1 45 kA2.s e1 4600 V for combination switch + gG fuse maximum e1 45 kA2.s e1 4600 V for combination switch + gG fuse maximum e1 45 kA2.s e1 4600 V for combination switch + gG fuse maximum e1 45 kA2.s e1 4600 V for combination switch + gG fuse maximum e1 45 kA2.s e1 4600 V for combination switch + gG fuse maximum e1 45 kA2.s e1 4600 V for combination switch + gG fuse maximum e1 45 kA2.s e1 4600 V for combination switch + gG fuse maximum e1 45 kA2.s e1 4600 V for combination switch + gG fuse maximum e1 460 V for combination switch + gG fuse maximum e1 460 V for combination switch + g	suitability for use EMERGENCY OFF switch	Yes
Product feature can be locked into OFF position  product extension optional  motor drive  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 OC contacts for auxiliary contacts attachable maximum  3 hasp thickness of the bracket locks 4 6 mm  Short creuit conditional short-circuit current with line-side fuse protection at 4690 V by gG fuse rated value  1et-through current with closed switch at 440 V for combination switch + gG fuse maximum at 440 V for combination	suitability for use safety switch	Yes
product feature can be locked into OFF position    Cossion   Security	suitability for use maintenance/repair switch	Yes
product extension optional  • motor drive  • votage trigger  number of connectable NC contacts for auxiliary contacts attachable maximum  number of connectable NO contacts for auxiliary contacts attachable maximum  number of connectable CO contacts for auxiliary contacts attachable maximum  number of connectable CO contacts for auxiliary contacts attachable maximum  number of connectable CO contacts for auxiliary contacts attachable maximum  number of tracket locks maximum  3 hasp thickness of the bracket locks maximum  3 hasp thickness of the bracket locks  8 4 6 mm  Short circuit  conditional short-circuit current with line-side fuse protection  • at 690 V by gG fuse rated value  1et-through current 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 1690 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 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  • for short-circuit protection of the main circuit required  • for short-circuit protection of the main circuit required  • for short-circuit protection of the main circuit required  • for short-circuit protection of the main circuit required  • for short-circuit protection of the maximum such such such such such such such such	Product details	
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 NC contacts for auxiliary contacts attachable maximum number of bracket locks services  Short circuit  conditional short-circuit current with line-side fuse protection  • at 690 V by gG fuse rated value  15 kA  1et-through current with closed switch • at 240 V for combination switch + gG fuse maximum permissible  1zt value with closed switch • at 240 V for combination switch + gG fuse maximum at 440 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 250 KA2.s  685 KA2.s  686 JG 10 A  987 JG 17 JG 18 C 18 G 18 G 18 G 18 G 18 G 18 G 18	product feature can be locked into OFF position	Yes
• 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 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 890 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 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 • 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 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 gL/gG: 160 A	accessories	
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 romectable CO contacts for auxiliary contacts attachable maximum     number of pracket locks maximum     number of bracket 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     elet-through current 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 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 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 6	product extension optional	
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 ma	motor drive	No
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 maximum number of bracket locks maximum number of bracket locks maximum shasp 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 15 kA 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 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 66	voltage trigger	No
attachable maximum  number of connectable CO contacts for auxiliary contacts attachable maximum  3 hasp thickness of the bracket locks		3
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 480 V for combination switch + gG fuse maximum • at 490 V for combination switch + gG fuse maximum • at 490 V for combination switch + gG fuse maximum • at 490 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 690 V for combination switch + gG fuse maximum  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 • 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: 160 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  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		5
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 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 240 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 499 V for combination switch + gG fuse maximum  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		0
Short circuit  conditional short-circuit current with line-side fuse protection  • at 690 V by gG fuse rated value  60 tat 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  • at 440 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  • 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 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  • 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: 160 A  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • fuse gL/gG: 160 A  • 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 p	number of bracket locks maximum	3
conditional short-circuit current with line-side fuse protection  • at 690 V by gG fuse rated value  150 kA  let-through current with closed switch • at 240 V for combination switch + gG fuse maximum • at 240 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 • at 240 V for combination switch + gG fuse maximum • at 240 V for combination switch + gG fuse maximum • at 400 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 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 plang at AC at 600 V according to UL 508/UL 60947-4-1 rated value  50 kA  15 kA  18 kA2.s  185 kA2.s  185 kA2.s  185 kA2.s  186 kA2.s  187 kA2.s  188 kA2.s  189 kA2.s  180 A	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 • 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 at 440 V for combination switch + gG fuse maximum star kA2.s • at 690 V for combination switch + gG fuse maximum tas kA2.s • at 690 V for combination switch + gG fuse maximum tas kA2.s • at 690 V for combination switch + gG fuse maximum tas kA2.s • at 690 V for combination switch + gG fuse maximum tas kA2.s  design of the fuse link • for short-circuit protection of the main circuit required • fuse gL/gG: 160 A • for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A  operational current of upstream fuse rated value toperating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value  operating voltage 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 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  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 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  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  15 kA  15 kA  15 kA  15 kA  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 at 690 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum at 690 V for short-circuit protection of the main circuit required af 690 V for short-circuit protection of the auxiliary switch required according UL  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	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 485 kA2.s  at 690 V for combination switch + gG fuse maximum  before the fuse link  af 690 V for combination switch + gG fuse maximum  at 85 kA2.s  design of the fuse link  af 690 V for combination switch + gG fuse maximum  af 690 V for combination switch + gG fuse maximum  at 85 kA2.s  design of the fuse link  af 690 V for combination switch + gG fuse maximum  at 85 kA2.s  design of the fuse link  af 690 V for combination switch + gG fuse maximum  at 85 kA2.s  design of the fuse link  af 690 V for combination switch + gG fuse maximum  at 85 kA2.s  design of the fuse link  af 690 V for combination switch + gG fuse maximum  at 85 kA2.s  fuse gL/gG: 160 A  fuse gL/gG: 10 A  fuse gL/g	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  at 690 V for combination switch + gG fuse global switch  at 690 V	• at 240 V for combination switch + gG fuse maximum	15 kA
Detail of the fuse link   Second of the auxiliary switch required   Second of the se	• at 440 V for combination switch + gG fuse maximum	15 kA
<ul> <li>at 240 V for combination switch + gG fuse maximum</li> <li>at 440 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>185 kA2.s</li> <li>e for short-circuit protection of the main circuit required</li> <li>e for short-circuit protection of the auxiliary switch required</li> <li>operational current of upstream fuse rated value</li> <li>operational current at AC according to UL 508/UL 60947-4-1</li> <li>rated value</li> <li>operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value</li> <li>active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value</li> <li>active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value</li> <li>50</li> </ul>	· · · · · · · · · · · · · · · · · · ·	15 kA
<ul> <li>at 440 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>l85 kA2.s</li> <li>design of the fuse link</li> <li>for short-circuit protection of the main circuit required</li> <li>for short-circuit protection of the auxiliary switch required</li> <li>operational current of upstream fuse rated value</li> <li>according UL</li> <li>operational current at AC according to UL 508/UL 60947-4-1 rated value</li> <li>operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value</li> <li>active power [hp] at AC at 480 V according to UL 508/UL 508/UL 60947-4-1 rated value</li> <li>active power [hp] at AC at 600 V according to UL 508/UL 508/UL 60947-4-1 rated value</li> </ul>	I2t value with closed switch	
at 690 V for combination switch + gG fuse maximum  design of the fuse link  of or short-circuit protection of the main circuit required fuse gL/gG: 160 A  operational current of upstream fuse rated value  descording 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  50  50  50  60  60  60  60  60  60  60	• at 240 V for combination switch + gG fuse maximum	185 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  ● for short-circuit protection of the auxiliary switch required  ● for short-circuit protection of the auxiliary switch required  fuse gL/gG: 10 A  160 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	• at 440 V for combination switch + gG fuse maximum	185 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  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  50	• at 690 V for combination switch + gG fuse maximum	185 kA2.s
● for short-circuit protection of the auxiliary switch required  operational current of upstream fuse rated value  160 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  50  50	design of the fuse link	
operational current of upstream fuse rated value  according UL  operational current at AC according to UL 508/UL 60947-4-1 180 A rated 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 60947-4-1 rated value  active power [hp] at AC at 600 V according to UL 508/UL 500 500 500 500 500 500 500 500 500 50	• for short-circuit protection of the main circuit required	fuse gL/gG: 160 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  50 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  50 60947-4-1 rated value	operational current of upstream fuse rated value	160 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  50	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  50		180 A
active power [hp] at AC at 600 V according to UL 508/UL 500047-4-1 rated value 50		600 V
60947-4-1 rated value		75
short-time withstand current (SCCR) at 600 V according to 10 kA		50
	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	200 A	
value		
type of fuse according to UL	RK5	
Connections		
AWG number as coded connectable conductor cross		
section solid maximum	4	
•	1 4/0	
type of connectable conductor cross-sections for copper	4/0	
conductor		
• solid	1x (16185mm²)	
<ul> <li>finely stranded with core end processing</li> </ul>	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		
<ul> <li>4-hole front mounting</li> </ul>	Yes	
<ul> <li>front mounting with central attachment</li> </ul>	No	
rail mounting	No	
net weight	2 746 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		other











Miscellaneous

other Environment

> Confirmation **Environmental Con-Environmental Confirmations** firmations

## 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=3LD2318-0TK13

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

https://support.industry.siemens.com/cs/ww/en/ps/3LD2318-0TK13

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3LD2318-0TK13">http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3LD2318-0TK13</a>

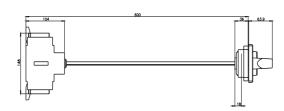
**CAx-Online-Generator** 

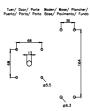
http://www.siemens.com/cax

**Tender specifications** 

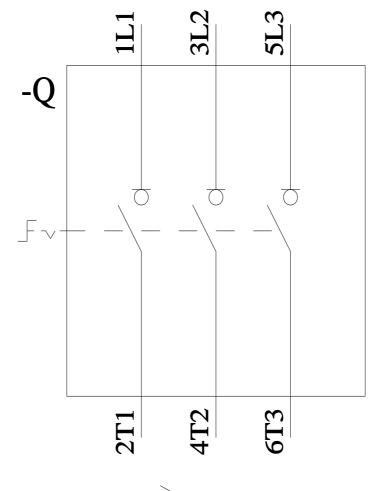
http://www.siemens.com/specifications

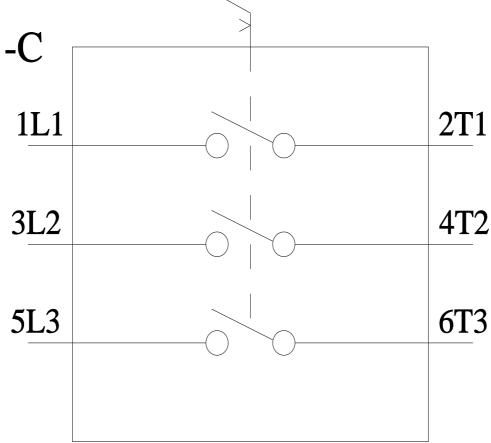












last modified: 6/20/2023 🖸