SIEMENS

Data sheet 3LD2013-0TK53



SENTRON, Switch disconnector 3LD, emergency switching-off switch, 3- pole, lu: 16 A, operating power / at AC-23 A 400 V: 7.5 kW, floor mounting with door coupling, rotary operating 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	Short rotary knob
color of the actuating element	red
design of handle	rotary operating mechanism, red/yellow
type of the driving mechanism motor drive	No
General technical data	
number of poles	3
size of switch disconnector	1
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	0.5 W
Main circuit	
operational current	
• at AC-21 at 690 V rated value	16 A
• at AC-21 A at 240 V rated value	16 A
• at AC-21 A at 400 V rated value	16 A
• at AC-21 A at 440 V rated value	16 A
 at AC-23 A at 400 V rated value 	16 A

operating severs • at A-C-23 A at 400 V rated value • at A-C-23 A at 400 V rated value • at A-C-23 A at 400 V rated value • at A-C-23 A at 400 V rated value • at A-C-23 A at 400 V rated value • at A-C-23 at 800 V rated value • at a 800 V rated value • at A-C-23 at 800 V rated value • at a 800 V rated value • at A-C-23 at 800 V rated value • at 8		
e at AC-23 A at 400 V rated value	operating power	
e at AC-23 A at 400 V rated value		
e at AC-23 at 40 V rated value e at AC-3 at 40 V rated value Anuther of CO contacts for auxiliary contacts number of CO contacts for auxiliary contacts number of NO contacts for auxiliary contacts o o poperating values of auxiliary contacts ocordinates or auxiliary contact at AC maximum goor auxiliary contact at AC maximum contacts or auxiliary contact at AC maximum contacts are auxiliary contact at at AC maximum ocordinates or auxiliary contact at at AC maximum ocordinates or auxiliary contact at at AC maximum e and an availary oction of the auxiliary switch rated value insulation voltage insulation of the auxiliary switch rated value insulation voltage insulation of the auxiliary switch insulation of the auxiliary switch insulation voltage insulation of the auxiliary switch insulation of the auxiliary switch insulation voltage insulation of the auxiliary switch insulation of the auxiliary s		
e at AC-3 at 690 V rated value **SE KW **PROVIDED TO Contacts for auxiliary contacts **Immitted of CC contacts for auxiliary contacts **O mumber of NC contacts for auxiliary contacts **O continuous current of the auxiliary contact rated value **Surtability for use **Immi swifch **Surtability		
e at AC3 at 400 V rated value		
available year of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts o continuous correct of the auxiliary contact at AC maximum oorthinuous correct of the auxiliary contact at AC maximum oorthinuous correct of the auxiliary switch rated value insulation votage of the auxiliary switch rated value suitability for use * main switch * anin swi		
Auxillary circuit number of NC contacts for auxiliary contacts		
rumber of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts at AC maximum solv operating voltage of auxiliary avitch rated value insulation voltage of the auxiliary switch rated value suitability		5.5 kW
number of NC contacts for auxiliary contacts on the number of NC contacts for auxiliary contacts on the number of NC contacts of auxiliary contacts at AC maximum 500 V control totage of auxiliary contact rated value 500 V substitution of the auxiliary switch rated value 500 V substitution of the auxiliary switch rated value 500 V substitution of the auxiliary switch rated value 500 V substitution of the auxiliary switch rated value 500 V substitution of the auxiliary switch rated value 600 V switch disconnector 7 Ves 6 which disconnector 7 Ves 7 Ves 6 which disconnector 8 Ves 7 Ves 9 Ves	Auxiliary circuit	
number of NO contacts for auxiliary contacts of auxiliary contacts at AC maximum 500 V continuous current of the auxiliary switch rated value 500 V situability suitability for use 1 min switch 1 min suitability for use 2 min switch 1 min switch 1 min switch 2 min switch 1 min switch 2 min switch 3 min switch 3 min switch 4 min switch 3 min switch 4 min switch 4 min switch 4 min switch 5 min switch 6 min switch 6 min switch 9 min s	·	
operating voltage of auxiliary contacts at AC maximum continuous current of the auxiliary contact rated value Sout V Suitability suitability for use • main switch • switch disconnector • self-RERGENCY OFF switch • switch disconnector • CEMERGENCY OFF switch • safety switch • maintenance/repair switch Product distalis product feature can be locked into OFF position Prospective feature can be locked into OFF position Product distalis product eatension optional • motor offive • 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 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 tracket locks auxiliary contacts attachable maximum attachable maximum 3 hasp brinkness of the bracket locks 4 8 mm Short circuit conditional short-circuit current with line-side fuse protection • at 800 V by Gir fuse rated value 10 VA 12 NA 12 NA 13 NA 14 160 V for combination switch + gG fuse maximum • at 600 V for combination switch + gG fuse maximum • at 400 V for combination switch + gG fuse maximum • at 400 V for combination switch + gG fuse maximum • at 400 V for combination switch + gG fuse maximum • at 400 V for combination switch + gG fuse maximum • at 400 V for combination switch + gG fuse maximum • at 400 V for combination switch + gG fuse maximum • at 400 V for combination switch + gG fuse maximum • at 400 V for combination switch + gG fuse maximum • at 400 V for combination switch + gG fuse maximum • at 400 V for combination switch + gG fuse maximum • at 400 V for combination switch + gG fuse maximum • at 400 V for combination switch + gG fuse maximu		
continuous current of the auxiliary contact rated value insulation votage of the auxiliary switch rated value 500 V sultability sultability sultability for use • main switch • switch disconnector • EMERGENCY OFF switch • safety switch • resident switch • safety switch • resident safety switch • safety switch • safety switch • word safety switch • word safety safety • word	number of NO contacts for auxiliary contacts	0
insulation vallage of the auxiliary switch rated value Suitability for use main switch switch disconnector EMERGENCY OFF switch safety switch maintenance/repair switch Tyes maintenance/repair switch smith semance/repair switch Tyes Product details product feature can be locked into OFF position secssorios product extension optional month of drive No		500 V
Suitability Suitability Suitability for use main switch switch disconnector EMERGENCY OFF switch maintenance/repair switch resident switch maintenance/repair switch Yes Product dotails product feature can be locked into OFF position recessories product feature can be locked into OFF position motor 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 prometable NC contacts for auxiliary contacts statchable maximum number of prometable NC contacts for auxiliary contacts statchable maximum number of prometable NC contacts for auxiliary contacts statchable maximum number of prometable NC contacts for auxiliary contacts statchable maximum number of prometable NC contacts for auxiliary contacts statchable maximum number of prometable NC contacts for auxiliary contacts statchable maximum number of prometable NC contacts for auxiliary contacts statchable maximum number of prometable NC contacts for auxiliary contacts statchable maximum number of prometable NC contacts for auxiliary contacts statchable maximum 3 an as 500 to for continuation at 860 V by gG fuse rated value 50 kA 12 to vise or combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum permissible 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 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	continuous current of the auxiliary contact rated value	10 A
sultability for use main switch switch disconnector EMERGENCY OFF switch safety switch Tyes maintenance/repair switch Yes maintenance/repair switch Yes maintenance/repair switch Yes maintenance/repair switch Yes maintenance/repair switch 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 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 3 hasp thickness of the bracket locks Not crouditional short-circuit current with line-side fuse protection at 8690 V by gG fuse rated value 12 to Vide with closed switch 12 to Vide or combination switch + gG fuse maximum 13 to XA 14 to Vide combination switch + gG fuse maximum 14 at 800 V for combination switch + gG fuse maximum 15 to Vide with closed switch 16 at 2420 V for combination switch + gG fuse maximum 17 to Vide with closed switch 18 at 800 V for combination switch + gG fuse maximum 18 at 800 V for combination switch + gG fuse maximum 19 at 800 V for combination switch + gG fuse maximum 2.5 kA2.8 3 kA2 4 to 4 to Vide combination switch + gG fuse maximum 4 at 800 V for combination switch + gG fuse maximum 4 at 800 V for combination switch + gG fuse maximum 4 at 800 V for combination switch + gG fuse maximum 5 to SkA2.8 6 to short-circuit protection of the main circuit required 6 for short-circuit protection of the main circuit required 9 for short-circuit protection of the main circuit required 19 for short-circuit protection of the survellay switch required 10 f		500 V
main switch switch disconnector EMERGENCY OFF switch safety switch maintenance/repair switch Yes safety switch maintenance/repair switch Yes Product deature can be locked into OFF position Ves Product seature can be locked into OFF position Ves Product seature can be locked into OFF position voltage trigger product extension optional number of connectable NC contacts for auxiliary contacts statichable maximum number of connectable NC contacts for auxiliary contacts statichable maximum number of connectable NO contacts for auxiliary contacts statichable maximum number of connectable NO contacts for auxiliary contacts statichable maximum number of pronectable NO contacts for auxiliary contacts statichable maximum number of pronectable NO contacts for auxiliary contacts statichable maximum number of pronectable NO contacts for auxiliary contacts statichable maximum number of pronectable NO contacts for auxiliary contacts statichable maximum number of pronectable NO contacts for auxiliary contacts statichable maximum 3 and auxiliary contacts 4 8 mm Short circuit conditional short-circuit current with loses de fuse protection 4 at 690 V by gG fuse rated value 50 kA Let-through current with closed switch 4 at 460 V for combination switch + gG fuse maximum 3 kA 4 at 460 V for combination switch + gG fuse maximum 4 at 460 V for combination switch + gG fuse maximum 5 kA2 s 12 tvalue with closed switch 4 at 240 V for combination switch + gG fuse maximum 2 f kA2 s 3 kA2 s 4 fuse gLigG: 20 A 5 fuse gLigG: 20 A 5 fuse gLigG: 20 A 5 fuse gLigG: 20 A 6 fuse gLigG: 10 A 6 or short-circuit protection of the main circuit required 6 for short-circuit protection of the main circuit required 6 for short-circuit protection of the main circuit required 9 for short-circuit protection of the main circuit required 1 fuse gLigG: 20 A 1 fuse gLigG: 10 A 1 fuse gLigG: 10 A 1 fuse gLigG: 10 A 1 fuse gLigG: 1	Suitability	
Switch disconnector EMERGENCY OFF switch Safety switch maintenance/repair switch Yes product detains product eature can be locked into OFF position Ves product eature can be locked into OFF position vession optional motor drive voltage trigger No voltage trigger No number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable NO contacts for auxiliary contacts statischable maximum number of connectable NC contacts for auxiliary contacts statischable maximum number of connectable NC contacts for auxiliary contacts statischable maximum number of connectable NC contacts for auxiliary contacts statischable maximum number of bracket locks maximum number of bracket locks maximum number of bracket locks maximum value of by the fuser rated value version of the bracket locks 300 of circuit conditional short-circuit current with line-side fuse protection value of by tog Grusse rated value version of the bracket locks witch value of the combination switch + gG fuse maximum value of the combination switch + gG fuse maximum value of the combination switch + gG fuse maximum value of the combination switch + gG fuse maximum value of the combination switch + gG fuse maximum value of the combination switch + gG fuse maximum value of the combination switch + gG fuse maximum value of the combination switch + gG fuse maximum value of the combination switch + gG fuse maximum value of the combination switch + gG fuse maximum value of the combination switch + gG fuse maximum value of the combination switch + gG fuse maximum value of the combination switch + gG fuse maximum value of the combination switch + gG fuse maximum value of the combination switch + gG fuse maximum value of the combination switch + gG fuse maximum value of the combination switch + gG fuse maximum value of the combination	suitability for use	
EMERGENCY OFF switch safety switch safety switch raminetnance/repair switch Product details product feature can be locked into OFF position Processories product extension optional motor drive voltage trigger nounder 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 connectable NO contacts for auxiliary contacts attachable maximum number of pracket locks maximum number of bracket locks maximum nabap thickness of the bracket locks 4 8 mm Short circuit conditional short-circuit current with line-side fuse protection at 690 V by GS has rated value 50 kA let-through current with closed switch at 240 V for combination switch + gG fuse maximum at 440 V for combi		
* safety switch Yes ** * maintenance/repair switch Yes ** * maintenance/repair switch Yes ** * reduct details ** * product extension optional ** * product extension optional ** * motor drive ** * voltage trigger No ** * voltage trigger No ** * voltage trigger No ** * unwher 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 ** * as table of the bracket locks ** * short-circuit* * conditional short-circuit current with line-side fuse protection ** at 890 V by gG fuse rated value ** * at 480 V tor combination switch + gG fuse maximum ** * at 440 V for combination switch + gG fuse maximum permissible ** * at 440 V for combination switch + gG fuse maximum permissible ** * at 440 V for combination switch + gG fuse maximum ** * at 480 V for combination switch + gG fuse maximum permissible ** * 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 680 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 680 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 680 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 680 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 **		
maintenance/repair switch Product details product extension optional motor drive notor drive votage 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 connectable NC contacts for auxiliary contacts attachable maximum number of bracket locks maximum nasp thickness of the bracket locks attachable maximum nasp thickness of the bracket locks Short circuit conditional short-circuit current with line-side fuse protection at 680 V by gG fuse rated value fel-through current with closed switch at 240 V for combination switch + gG fuse maximum at 480 V for combination switch + gG fuse maximum at 480 V for combination switch + gG fuse maximum at 480 V for combination switch + gG fuse maximum at 480 V for combination switch + gG fuse maximum at 440 V for combination switch +	EMERGENCY OFF switch	
Product feature can be locked into OFF position product reature can be locked into OFF position product extension optional motor drive voltage frigger 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 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 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 connectable NC contacts for auxiliary contacts attachable maximum number of connectable NC contacts for auxiliary contacts number of contacts for auxili	•	
product feature can be locked into OFF position coessories 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 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 8 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 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 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 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		Yes
product extension optional • motor drive • vottage 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 connectable CO contacts for auxiliary contacts attachable maximum 3 hasp thickness of the bracket locks maximum 3 hasp thickness of the bracket locks maximum • at 690 V by gG fuse rated value 10 the strict of the		
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 maximum sabas thickness of the bracket locks 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 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 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 • for short-circuit protection of the auxiliary switch required • fo	product feature can be locked into OFF position	Yes
Mo Voltage trigger No No No	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 connectable CO contacts for auxiliary contacts attachable maximum number of bracket locks maximum number of bracket locks maximum nasp thickness of the bracket locks Short circuit conditional short-circuit current with line-side fuse protection • at 690 V by gG fuse rated value 10 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 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 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 maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combin	product extension optional	
number of connectable NC contacts for auxillary contacts attachable maximum number of connectable NC contacts for auxillary contacts attachable maximum number of connectable CO contacts for auxillary contacts attachable maximum number of bracket locks maximum number of bracket locks maximum 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 G fuse rated value 12t Val 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 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 240 V for combination switch + gG fuse maximum • at 890 V for combination switch + gG fuse maximum • at 890 V for combination switch + gG fuse maximum • at 890 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 maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combinat	 motor drive 	No
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 during the protection at 3 hasp thickness of the bracket locks Short circuit conditional short-circuit current with line-side fuse protection at 260 V by gG fuse rated value 50 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 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 640 V for combination switch + gG fuse maximum at 640 V for combination switch + gG fuse maximum at 640 V for combination switch + gG fuse maximum at 640 V for combination switch + gG fuse maximum at 640 V for combination switch + gG fuse maximum at 640 V for combination switch + gG fuse maximum bermissible at 640 V for combination switch + gG fuse maximum at 640 V for combination switch + gG fuse maximum bermissible at 640 V for combination switch + gG fuse maximum bermissible at 640 V for combination switch + gG fuse maximum bermissible at 640 V for combination switch + gG fuse maximum bermissible at 640 V for combination switch + gG fuse maximum bermissible at 640 V for combination switch + gG fuse maximum bermissible at 640 V for combination switch + gG fuse maximum bermissible bermissible at 640 V for combination switch + gG fuse maximum bermissible		
attachable maximum number of connectable CO contacts for auxiliary contacts attachable maximum number of bracket locks maximum namber of bracket locks maximum namber of bracket locks maximum namber of bracket locks 4 8 mm Short circuit conditional short-circuit current with line-side fuse protection • at 690 V by gG fuse rated value let-through current with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • 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 • 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 • 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 protecti		3
attachable maximum number of bracket locks maximum 1 hasp thickness of the bracket locks 2 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 let-through current with closed switch • 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 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 690 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 6		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 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 permissible I2t value with closed switch • at 240 V for combination switch + gG fuse maximum • at 490 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 auxiliary switch required • for short-circuit protection of the auxiliary switch required • fuse gL/gG: 20 A • for short-circuit protection of the auxiliary switch required • perational current of upstream fuse rated value 20 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 operating voltage at AC at 480 V according to UL 508/UL 60947-4-1 rated value short-time withstand current (SCCR) at 600 V according to UL 5 kA		0
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 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 • at 440 V for combination switch + gG fuse maximum • at 490 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 20 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 short-time withstand current (SCCR) at 600 V according to UL 5 kA	number of bracket locks maximum	3
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 480 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 2.5 kA2.s • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • for short-circuit protection of the main circuit required • for short-circuit protection of the auxiliary switch required operational current of upstream fuse rated value 20 A according 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 600 V according to UL 508/UL 60947-4-1 rated value short-time withstand current (SCCR) at 600 V according to UL 5 kA	hasp thickness of the bracket locks	4 8 mm
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 460 V for combination switch + gG fuse maximum permissible l2t value with closed switch at 240 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 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 be 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 be at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG	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 permissible l2t value with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 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 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-time withstand current (SCCR) at 600 V according to UL 5 kA	conditional short-circuit current with line-side fuse protection	
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 Izt value 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 690 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum be at 690 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum be at 690 V for	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 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 be at 690	let-through current with closed switch	
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 690 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum be at 690 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum be at 690 V for combination switch + gG fuse gL/gG: 20 A be at 690 V for short switch + gG fuse gL/gG: 20 A be at 690 V for short switch + gG fuse gL/gG: 20 A be at 690	 at 240 V for combination switch + gG fuse maximum 	3 kA
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 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 fuse gL/gG: 20 A • for short-circuit protection of the auxiliary switch required operational current of upstream fuse rated value 20 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 short-time withstand current (SCCR) at 600 V according to UL 5 KA	 at 440 V for combination switch + gG fuse maximum 	3 kA
at 240 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum be at 690 V for combination switch + gG fuse maximum at 690 V for short-circuit protection of the main circuit required fuse gL/gG: 20 A fuse gL/gG: 10 A 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 short-time withstand current (SCCR) at 600 V according to UL 5 kA		3 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 at 690 V for combination switch + gG fuse maximum be 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 fuse gL/gG: 20 A fuse gL/gG: 10 A perational current of upstream fuse rated value 20 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 short-time withstand current (SCCR) at 600 V according to UL 5 kA	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: 20 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 active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value short-time withstand current (SCCR) at 600 V according to UL 5 kA	• at 240 V for combination switch + gG fuse maximum	2.5 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 20 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 short-time withstand current (SCCR) at 600 V according to UL 5 kA	 at 440 V for combination switch + gG fuse maximum 	2.5 kA2.s
 for short-circuit protection of the main circuit required fuse gL/gG: 20 A fuse gL/gG: 10 A operational current of upstream fuse rated value 20 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 short-time withstand current (SCCR) at 600 V according to UL 5 kA 	• at 690 V for combination switch + gG fuse maximum	3 kA2.s
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 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 60947-4-1 rated value active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value short-time withstand current (SCCR) at 600 V according to UL 5 kA	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 short-time withstand current (SCCR) at 600 V according to UL 5 kA	• for short-circuit protection of the main circuit required	fuse gL/gG: 20 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-time withstand current (SCCR) at 600 V according to UL 5 kA	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 short-time withstand current (SCCR) at 600 V according to UL 5 kA		20 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 short-time withstand current (SCCR) at 600 V according to UL 5 kA	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 short-time withstand current (SCCR) at 600 V according to UL 5 kA		16 A
4-1 rated value active power [hp] at AC at 600 V according to UL 508/UL 60947- 4-1 rated value short-time withstand current (SCCR) at 600 V according to UL 5 kA		600 V
4-1 rated value short-time withstand current (SCCR) at 600 V according to UL 5 kA		7.5
		10
	short-time withstand current (SCCR) at 600 V according to UL	5 kA

continuous current of upstream fuse according to UL rated value	50 A
type of fuse according to UL	RK5
Connections	
AWG number as coded connectable conductor cross section solid	
• maximum	10
minimum	18
type of connectable conductor cross-sections for copper conductor	
• solid	1x (16mm²)
 finely stranded with core end processing 	1x (14mm²)
stranded	1x (16mm²)
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	84 mm
width	67 mm
depth	429.5 mm
type of device	fixed mounting
fastening method	Built-in unit fixed-mounted version
fastening method	
• 4-hole front mounting	Yes
 front mounting with central attachment 	No
• rail mounting	Yes
net weight	410 g
Environmental conditions	
ambient temperature during operation	
• minimum	-25 °C
• maximum	55 °C
ambient temperature during storage	
• minimum	-25 °C
• maximum	55 °C
General Product Approval	



Confirmation







Miscellaneous

General Product Approval

Declaration of Conformity

Test Certificates

Marine / Shipping







Special Test Certificate





other

Environment

Confirmation

Miscellaneous

Environmental Confirmations

Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

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

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

http://www.siemens.com/lowvoltage/catalogs

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3LD2013-0TK53

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

https://support.industry.siemens.com/cs/ww/en/ps/3LD2013-0TK53

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2013-0TK53

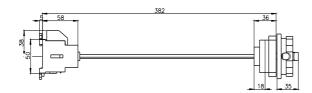
CAx-Online-Generator

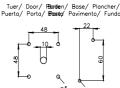
nttp://www.siemens.com/cax

Tender specifications

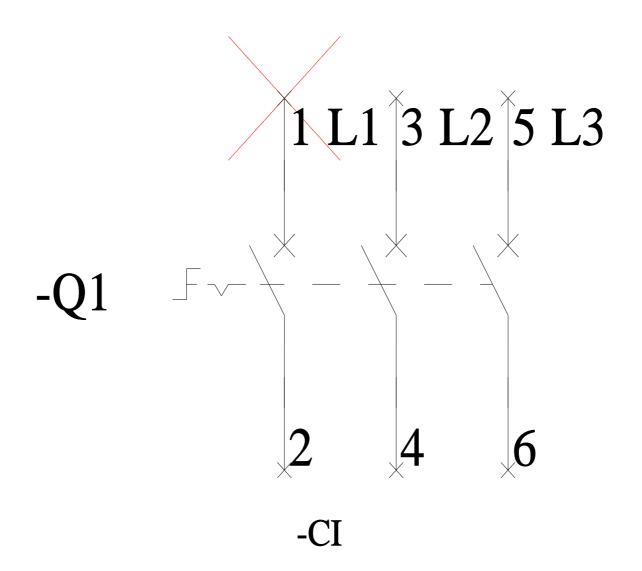
http://www.siemens.com/specifications

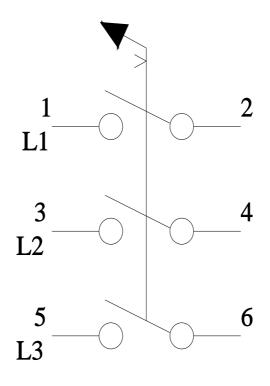












last modified: 6/20/2023 🖸