SIEMENS

Data sheet 3LD2804-0TK53



SENTRON, Switch disconnector 3LD, emergency switching-off switch, 3- pole, lu: 125 A, operating power / at AC-23 A 400 V: 45 kW, front-mounted, 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	front mounted
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	4
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	12 W
Main circuit	
operational current	
• at AC-21 at 690 V rated value	125 A
• at AC-21 A at 240 V rated value	125 A
• at AC-21 A at 400 V rated value	125 A
• at AC-21 A at 440 V rated value	125 A

operating power at AC-23 At all 400 V rided value at AC-33 at 300 V rided value at AC-34 at 300 V	a at AC 22 A at 400 V rated value	90 A
at AC-23 A at 400 V rited value at AC-23 A at 400 V rited value 4 AK-W at AC-23 A at 400 V rited value 4 AK-W at AC-23 A at 400 V rited value 2 EVW at AC-30 A at 400 V rited value 2 EVW at AC-30 A at 400 V rited value 3 FWW at AC-30 A at 400 V rited value 2 EVW at AC-30 A at 400 V rited value 3 FWW at AC-30 At 400 V rited value 2 EVW at AC-30 At 400 V rited value 3 FWW Auritary circuit number of NC contacts for auxiliary contacts 0 cumber of NC contacts for auxiliary contact value 10 A Insulation value of the auxiliary contact value 10 A Insulation value of the auxiliary contact value 10 A Insulation value of the auxiliary contact value 10 A Insulation value of the auxiliary switch rated value 10 A Insulation value of the auxiliary switch rated value 10 A Insulation value of the auxiliary switch rated value 10 A Insulation value of the auxiliary switch rated value 10 A Insulation value of the auxiliary switch rated value 10 A Insulation value of the auxiliary switch rated value 10 A Insulation value of the auxiliary switch rated value 10 A Insulation value of the auxiliary switch rated value 10 A Insulation value of the auxiliary switch rated value 10 A Insulation value of the auxiliary switch rated value 10 A Insulation value of the auxiliary switch rated value 10 A	at AC-23 A at 400 V rated value	80 A
a al AC-23 A at 400 V rated value at AC-32 A at 400 V rated value at AC-32 A at 600 V rated value at AC-33 at 200 V rated value at AC-34 at 200 V rated value at 200 V rat		22 MW
at AC-23 A at 440 V rated value bit AC-23 A at 400 V rated value can AC-33 at 280 V rated value can AC-33 at 400 V rated value can AC-34 at 400 V rated value can AC-34 at 400 V rated value can AC-35 at 400 V rated va		
at IA-C3 at 380 V rated value 22 kW at IA-C3 at 380 V rated value 22 kW at IA-C3 at 380 V rated value 37 kW at IA-C3 at 380 V rated value 37 kW at IA-C3 at 380 V rated value 38 kW 380 W		
a cl AC-3 at 240 V rated value b cl AC-3 at 850 V rated value c at at 850 V rated val		
and AC-3 at 400 V rated value at AC-3 at 500 V rated value 30 kW Aurithry circuit number of CO contacts for auxiliary contacts 0 number of CO contacts for auxiliary contacts 0 number of NO contacts for auxiliary contacts 0 continuous current of the auxiliary contacts 10 A insulation votage of the auxiliary contact rated value 10 A insulation votage of the auxiliary contact rated value 10 A insulation votage of the auxiliary contact rated value 10 A insulation votage of the auxiliary contact rated value 10 A insulation votage of the auxiliary switch rated value 10 A insulation votage of the auxiliary switch rated value 10 A insulation votage of the auxiliary switch rated value 10 A insulation votage of the auxiliary switch rated value 10 A insulation votage of the auxiliary switch 10 A		
* ait AC-3 at 990 V rated value Auxiliary circuit mumber of CC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 operating valtage of auxiliary contacts at AC maximum 500 V continuous current of the auxiliary switch rated value 500 V Suribility Suribility for use main switch 1 Yes autiability for use switch disconnector 2 Yes suitability for use switch disconnector 3 valuability for use switch disconnector 4 Yes suitability for use switch disconnector 4 Yes suitability for use safety switch 4 Yes suitability for use safety switch 5 Yes suitability for use safety switch 7 Yes suitability for use safety switch 8 Yes suitability for use safety switch 9 No		
Austilary circuit number of ICO contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 porating voltage of auxiliary contacts at AC maximum continuous current of the auxiliary contact rated value insulation voltage of the auxiliary contact rated value solve the auxiliary contact rated value suitability for use main switch Yes suitability for use switch disconnector Yes suitability for use switch disconnector Yes suitability for use switch disconnector Yes suitability for use safety switch No		
number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts at 0 operating voltage of auxiliary contacts at 0 insulation voltage of the auxiliary contact sat value insulation voltage of the auxiliary contact sat value insulation voltage of the auxiliary switch rated value suitability for use main switch ves suitability for use main switch ves suitability for use maintenance/repair switch ves suitability for use safety switch ves suitability for use maintenance/repair switch ves suitability for use safety switch ves suitability for use maintenance/repair switch ves suitability for		30 KW
number of NC contacts for auxiliary contacts at AC maximum product and the auxiliary contact area of the auxiliary contact and the auxiliary contact area of the auxiliary contact area of the auxiliary contact and the auxiliary contact area of the auxiliary contacts attachable maximum product extension optional endored the auxiliary contacts attachable maximum and the auxiliary contacts	-	
number of NO contacts for suxiliary contacts at AC maximum Continuous current of the suxiliary contact rated value Soo V Sortability Surbability Surbability for use main switch suitability for use main switch suitability for use switch disconnector suitability for use safety switch suitability for use safety switch suitability for use safety switch ves suitability for use safety switch ves suitability switch regulared ves suitability for use safety switch suitabil	·	
operating voltage of auxiliary contacts at AC maximum continuous current of the auxiliary contact rated value 500 V Solitability suitability for use main switch suitability for use switch disconnector ves suitability for use switch disconnector yes suitability for use switch disconnector yes suitability for use safety switch ves suitability for use suitability for use suitability for use suitability for use safety switch ves suitability for use safety switch ves suitability for use suitability for use safety switch ves suitability for use suitability for use suitability for use safety switch ves suitability for use suitabil		
continuous current of the auxiliary contact rated value insulation voltage of the auxiliary switch rated value S00 V suitability for use main switch Suitability for use switch disconnector Yes suitability for use switch disconnector Yes suitability for use safety switch Yes Product feature can be locked into OFF position Yes Product feature can be locked into OFF position No		
Insulation voltage of the auxiliary switch rated value Suitability for use main switch Yes suitability for use switch disconnector Yes suitability for use safety switch Suitability for use safety switch Yes Product feature can be locked into OFF position Accessories product cetains Product feature can be locked into OFF position No No No No No No No No No		
suitability for use main switch suitability for use switch disconnector ves suitability for use safety switch yes suitability for use maintenance/repair switch Yes product feature can be locked into OFF position **Cocassories** **Product extension optional** **motor drive** **voltage trigger** **non or drive** **voltage trigger** **non or onnectable 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 CO contacts for auxiliary contacts attachable maximum **number of bracket locks maximum **number of bracket locks maximum **number of bracket locks maximum **sap thickness of the bracket locks **Short clout **Conditional short-circuit current with line-side fuse protection **at 880 V by gG fuse rated value **let 40 V for combination switch + gG fuse maximum **at 40 V for combination switch + gG fuse maximum **at 40 V for combination switch + gG fuse maximum **at 40 V for combination switch + gG fuse maximum **at 40 V for combination switch + gG fuse maximum **at 40 V for combination switch + gG fuse maximum **at 40 V for combination switch + gG fuse maximum **at 40 V for combination switch + gG fuse maximum **at 40 V for combination switch + gG fuse maximum **at 40 V for combination switch + gG fuse maximum **at 40 V for combination switch + gG fuse maximum **at 40 V for combination switch + gG fuse maximum **at 40 V for combination switch + gG fuse maximum **at 40 V for combination switch + gG fuse maximum **at 40 V for combination switch + gG fuse maximum **at 40 V for combination switch + gG fuse maximum **at 40 V for combination switch + gG fuse maximum **at 40 V for combination switch + gG fuse maximum **at 40 V for combination switch + gG fuse maximum **at 40 V for combination swi	-	
suitability for use switch disconnector suitability for use switch disconnector suitability for use MERCENCY OFF switch Yes suitability for use SafeRCENCY OFF switch Yes suitability for use safety switch Yes suitability for use maintenance/repair switch Yes Product details product feature can be locked into OFF position **Cocosories** 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 the switch of t	,	500 V
suitability for use SMERGENCY OFF switch Suitability for use Sarety switch Yes Suitability for use sarety switch Yes Suitability for use sarety switch Yes Product feature can be locked into OFF position Product feature can be locked into OFF position No Socossories Product extension optional — motor drive — voltage trigger No	Suitability	
suitability for use Safety switch ves suitability for use safety switch ves suitability for use maintenance/repair switch ves Product details product feature can be locked into OFF position **Pes **Product details **Product d	<u> </u>	
suitability for use safety switch ves roduct feature can be locked into OFF position roduct feature can be locked into OFF position roduct stansion 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 connectable NC contacts for auxiliary contacts attachable maximum number of connectable CC contacts for auxiliary contacts attachable maximum number of bracket locks maximum 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	· · ·	
suitability for use maintenance/repair switch Product details product extension optional enter of rive 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 CO contacts for auxiliary contacts attachable maximum number of bracket locks maximum 3 nasp thickness of the bracket locks 48 mm Short circuit conditional short-circuit current with line-side fuse protection a 1890 V by GG fuse rated value 20 kA let-through current with closed switch al 240 V for combination switch + gG fuse maximum 10 kA 1 at 490 V for combination switch + gG fuse maximum 2 at 480 V for combination switch + gG fuse maximum 10 kA 1 at 490 V for combination switch + gG fuse maximum 10 kA 2 at 280 V for combination switch + gG fuse maximum 2 at 240 V for combination switch + gG fuse maximum 10 kA 2 at 240 V for combination switch + gG fuse maximum 10 kA 2 at 240 V for combination switch + gG fuse maximum 10 kA 2 at 240 V for combination switch + gG fuse maximum 10 kA 2 at 280 V for combination switch + gG fuse maximum 10 kA2.s 4 at 440 V for combination switch + gG fuse maximum 10 kA2.s 4 at 90 V for combination switch + gG fuse maximum 10 kA2.s 4 at 90 V for combination switch + gG fuse maximum 10 kA2.s 4 at 90 V for combination switch + gG fuse maximum 10 kA2.s 4 at 90 V for combination switch + gG fuse maximum 10 kA2.s 4 at 90 V for combination switch + gG fuse maximum 10 kA2.s 4 at 90 V for combination switch + gG fuse maximum 10 kA2.s 4 at 90 V for combination switch + gG fuse maximum 10 kA2.s 4 at 90 V for combination switch + gG fuse maximum 10 kA2.s 4 at 90 V for combination switch + gG fuse maximum 10 kA2.s 4 at 90 V for combination switch + gG fuse maximum 10 kA2.s 4 at 90 V for combination switch + gG fuse maximum 10 kA2.s 4 at 90 V for comb		
Product details product feature can be locked into OFF position 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 CO contacts for auxiliary contacts attachable maximum 3 hasp thickness of the bracket locks maximum 13 hasp thickness of the bracket locks maximum 3 hasp thickness of the bracket locks maximum 10 kA or mm Short cricuit conditional short-circuit current with line-side fuse protection at 480 V by gG fuse rated value 10 tathrough current with closed switch 10 kA 10	suitability for use safety switch	Yes
product feature can be locked into OFF position **coessories** product extension optional		Yes
product extension optional motor drive voltage trigger No number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable CO contacts for auxiliary contacts attachable maximum number of connectable CO contacts for auxiliary contacts attachable maximum a hasp thickness of the bracket locks maximum hasp thickness of the bracket locks maximum hasp thickness of the bracket locks brotectic conditional short-circuit current with line-side fuse protection at 690 V by gG fuse rated value et-through current with closed switch at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 480 V for combination switch + gG fuse maximum at 480 V for combination switch + gG fuse maximum at 480 V for combination switch + gG fuse maximum at 480 V for combination switch + gG fuse maximum at 480 V for combination switch + gG fuse maximum at 480 V for combination switch + gG fuse maximum at 480 V for combination switch + gG fuse maximum brotectic function of the main circuit required for short-circuit protection of the main circui	Product details	
product extension optional • motor drive • 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 bracket locks maximum shasp 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 permissible lizt 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 • 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 switc	· · · · · · · · · · · · · · · · · · ·	Yes
* motor drive * voltage trigger * 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 bracket locks maximum hasp thickness of the bracket locks **Onditional short-circuit current with line-side fuse protection • at 690 V by gG fuse rated value 20 kA	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 bracket locks maximum asapphickness 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 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 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 450 V for combination switch + gG fuse maximum • at 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 combinati	product extension optional	
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 bracket locks maximum of at 4690 Vby gG fuse rated value 10 kA 10 kA	 motor drive 	No
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 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 G fuse rated value 20 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 lizt value with closed switch • at 240 V for combination switch + gG fuse maximum at 240 V for combination switch + gG fuse maximum permissible lizt 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 at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum 104 kA2.s design of the fuse link for short-circuit protection of the main circuit required for short-circuit protection of the maximum year fuse gL/gG: 125 A fuse gL/gG: 10 A operational current of upstream fuse rated value according UL operational current at AC according to UL 508/UL 60947-4-1 rated value operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value active power (Flp) at AC at 480 V according to UL 508/UL 60947-4-1 rated value	voltage trigger	No
attachable maximum number of connectable CO contacts for auxiliary contacts attachable maximum number of bracket locks maximum 3 has pthickness of the bracket locks 48 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 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		3
attachable maximum number of bracket locks maximum 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 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 10 kA • at 690 V for combination switch + gG fuse maximum 10 kA2.s • at 440 V for combination switch + gG fuse maximum 104 kA2.s • at 690 V for combination switch + gG fuse maximum 104 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 125 A according UL 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 480 V according to UL 508/UL 60947-4-1 rated value		3
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 20 kA 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 at 690 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum be at 240 V for combination switch + gG fuse maximum at 240 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 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 fuse maximum be 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 be 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 be at 440 V for combination switch + gG fuse maximum be at 440 V for combination switch + gG fuse maximum be at 440 V for combination switch + gG fuse maximum be at 440 V for combination switch + gG fuse maximum be at 440 V for combination switch + gG fuse maximum be at 440 V for combination switch + gG fuse maximum be at 440 V for combination switch + gG fuse maximum be at 440 V for combination switch + gG fuse maximum be at 440 V for combination switch + gG fuse maximum be at 440 V for combination switch + gG fuse maximum be at 440 V for combination switch + gG fuse maximum be at 440 V for combination switch + gG fuse maximum be at 440 V for combination switch + gG fuse maximum be		0
Short circuit conditional short-circuit current with line-side fuse protection • at 690 V by gG fuse rated value 20 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 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 490 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 active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value	number of bracket locks maximum	3
conditional short-circuit current with line-side fuse protection • at 690 V by gG fuse rated value 20 kA let-through current 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 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 • for short-circuit protection of the main circuit required • for short-circuit protection of the main circuit required • for short-circuit protection of the maximy switch required • for short-circuit protection of the auxiliary switch required • perational 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	hasp thickness of the bracket locks	4 8 mm
protection	Short circuit	
let-through current with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 240 V for combination switch + gG fuse maximum • at 240 V for combination switch + gG fuse maximum • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • for short-circuit protection of the main circuit required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required 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 10 kA	at 690 V by gG fuse rated value	20 kA
 at 440 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 40 kA2.s 40 sign 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 	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 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 be at 690 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse gazes at 690 V for combination switch + gG fuse gazes at 690 V for combination switch + gG fuse gazes at 690 V for combination switch + gG fuse gazes at 690 V for com	•	10 kA
Description	• at 440 V for combination switch + gG fuse maximum	10 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 before short-circuit protection of the main circuit required fuse gL/gG: 125 A before short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A operational current of upstream fuse rated value according UL operational current at AC according to UL 508/UL 60947-4-1 rated value operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value 104 kA2.s fuse gL/gG: 125 A fuse gL/gG: 10 A fuse gL/gG: 10 A 600 V 60047-4-1 rated value active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value	· · · · · · · · · · · · · · · · · · ·	10 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 104 kA2.s design of the fuse link a for short-circuit protection of the main circuit required a fuse gL/gG: 125 A b for short-circuit protection of the auxiliary switch required according UL operational current of upstream fuse rated value 125 A according UL 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 100	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: 125 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 100 100 100	 at 240 V for combination switch + gG fuse maximum 	104 kA2.s
design of the fuse link • for short-circuit protection of the main circuit required • for short-circuit protection of the auxiliary switch required operational current of upstream fuse rated value according UL operational current at AC according to UL 508/UL 60947-4-1 rated value operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value	• at 440 V for combination switch + gG fuse maximum	104 kA2.s
● for short-circuit protection of the main circuit required ● for short-circuit protection of the auxiliary switch required ● for short-circuit protection of the auxiliary switch required ● for short-circuit protection of the auxiliary switch required ● for short-circuit protection of the auxiliary switch required ● 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 ○ A ○ A	• at 690 V for combination switch + gG fuse maximum	104 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 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 100 100	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 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 100 60947-4-1 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 100 100 100 100 100 100 100 100 100 10	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 125 A 75 100 100 100 100 100 100 100 100 100 10	operational current of upstream fuse rated value	125 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 100	according 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 100	60947-4-1 rated value	600 V
60947-4-1 rated value		75
short-time withstand current (SCCR) at 600 V according to 10 kA	60947-4-1 rated value	100
	short-time withstand current (SCCR) at 600 V according to	10 kA

UL 508/UL 60947-4-1	
continuous current of upstream fuse according to UL rated value	200 A
type of fuse according to UL	RK5
Connections	
AWG number as coded connectable conductor cross section solid maximum	
•	1
•	12
type of connectable conductor cross-sections for copper conductor	
• solid	1x (450mm²)
 finely stranded with core end processing 	1x (435mm²)
stranded	1x (450mm²)
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	106 mm
width	90 mm
depth	112.5 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	No
net weight	480 g
Environmental conditions	
ambient temperature during operation	
• minimum	-25 °C
• maximum	55 °C
ambient temperature during storage	
• minimum	-25 °C
	55 °C
maximum	55 C

General Product Approval



CE EG-Konf.



Confirmation





General Product Approval

Marine / Shipping

other

Miscellaneous







Confirmation

Miscellaneous

Environment

Environmental Confirmations

Environmental Confirmations

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=3LD2804-0TK53

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

https://support.industry.siemens.com/cs/ww/en/ps/3LD2804-0TK53

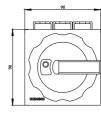
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2804-0TK53

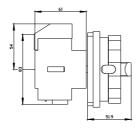
CAx-Online-Generator

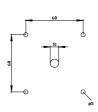
http://www.siemens.com/cax

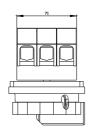
Tender specifications

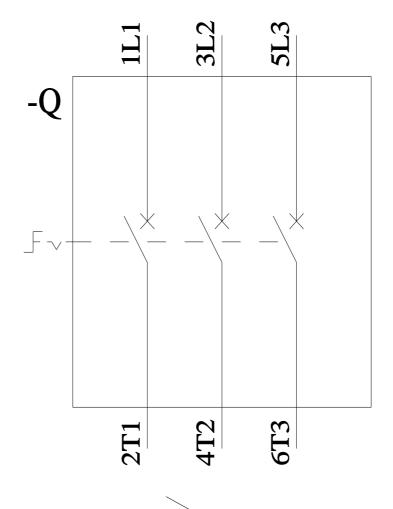
http://www.siemens.com/specifications

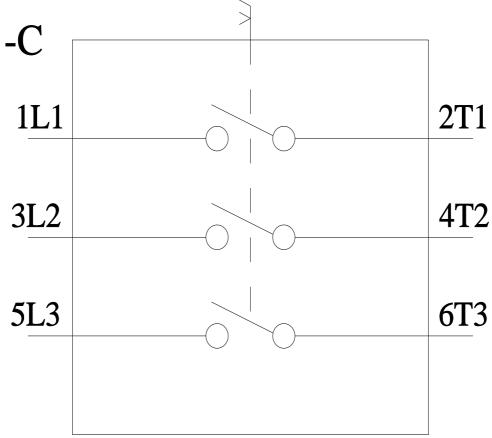












last modified: 6/20/2023 🖸