## **SIEMENS**

Data sheet 3LD2514-0TK51



SENTRON, Switch disconnector 3LD, main switch, 3-pole, lu: 63 A, Operating power / at AC-23 A at 400 V: 22 kW, floor mounting with door coupling, rotary operating mechanism, black, 4-hole mounting of the handle

Model	
product brand name	SENTRON
product designation	Switch disconnector
design of the product	Main switch
display version for switch position indicator manual operation	1 ON - 0 OFF
type of switch	Floor mounting with door coupling
design of the actuating element	Short rotary knob
color of the actuating element	black
design of handle	rotary operating mechanism, black
type of the driving mechanism motor drive	No
General technical data	
number of poles	3
size of switch disconnector	3
mechanical service life (operating cycles) typical	100 000
electrical endurance (operating cycles)	
• at AC-23 A at 690 V	6 000
operating frequency maximum	50 1/h
degree of pollution	3
/oltage	
insulation voltage rated value	690 V
surge voltage resistance rated value	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	4.5 W
Main circuit	
operational current	
• at AC-21 at 690 V rated value	63 A
• at AC-21 A at 240 V rated value	63 A
• at AC-21 A at 400 V rated value	63 A
• at AC-21 A at 440 V rated value	63 A

e at AC-23 A at 240 V rated value 22 kW 2 kM 2-24 At 240 V rated value 22 kW 2 kM 2-24 At 440 V rated value 22 kW 2 kM 2 kM 2-24 At 460 V rated value 22 kW 2 kM 2 kM 2 kM 2 kM 2 kM 2 kM 2 k	a at AC 23 A at 400 V reted value	43 A
at AC-23 A at 400 V rated value at AC-23 A at 400 V rated value 22 kW at AC-23 A at 400 V rated value 22 kW at AC-32 A at 400 V rated value 19 kW at AC-32 A at 400 V rated value 19 kW at AC-33 at 400 V rated value 19 kW at AC-33 at 400 V rated value 19 kW at AC-33 at 400 V rated value 19 kW at AC-33 at 400 V rated value 15 kW  Auxiliary 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 number of NO contacts for auxiliary contacts 0 operating vortage of auxiliary contact at AC maximum 500 V continuous current of the auxiliary contact at AC maximum 500 V suitability for use main switch 10 suitability to use switch disconnector 20 suitability for use switch disconnector disconnective disco	at AC-23 A at 400 V rated value	43 A
e at AC-23 A at 400 V rated value 22 kW 22 kW 24 AC-23 A at 440 V rated value 19 kW 22 kW 24 AC-23 A at 440 V rated value 19 kW 24 AC-3 at 240 V rated value 19 kW 25 AC-25 At 240 V rated value 19 kW 25 AC-25 AC		44 600
at AC-23 A at 440 V rated value at AC-23 A at 490 V rated value 19 kW at AC-23 A at 490 V rated value 11 kW at AC-3 at 490 V rated value 15 kW At AC-3 at 490 V rated value 15 kW At AC-3 at 690 V rated value 15 kW  Auxiliary circuit  number of CO contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 number of Contacts for auxiliary contacts		
at AC-33 at 240 V rated value at AC-3 at 240 V rated value 11 kW at AC-3 at 240 V rated value 15 kW  Auxiliary circuit  number of CC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 operating voltage of auxiliary contacts at AC maximum 500 V continuous current of the auxiliary contact rated value 10 A insulation voltage of the auxiliary contact rated value 500 V  Suitability  Suitability for use main switch 10 yes 10 suitability for use switch disconnector 10 yes 10 suitability for use switch disconnector 10 yes 10 suitability for use switch disconnector 11 yes 12 suitability for use switch disconnector 12 yes 13 suitability for use switch disconnector 13 yes 14 yes 15 suitability for use switch disconnector 14 yes 15 suitability for use switch 15 yes 15 suitability for use switch disconnector 16 yes 16 suitability for use switch disconnector 17 yes 18 suitability for use switch disconnector 18 yes 18 suitability for use switch disconnector 19 yes 18 suitability for use switch disconnector 19 yes 18 suitability for use switch disconnector 19 yes 19 suitability for use switch disconnector 19 yes 10 yes		····
at AC-3 at 400 V rated value at AC-3 at 400 V rated value but AC-3 at 600 V rated value but AC-		
at AC-3 at 590 V rated value at AC-3 at 590 V rated value bumber of CC contacts for auxiliary contacts number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 operating voltage of auxiliary contacts 0 operating voltage of auxiliary contacts at AC maximum 500 V continuous current of the auxiliary switch rated value insulation voltage of the auxiliary switch rated value solo V 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 main switch yes suitability for use main switch yes product deature can be locked into OFF position yes position product deature can be locked into OFF position yes position product deature can be locked into OFF position yes product deature can be l		
* at AC-3 at 690 V rated value    Auxilitry circuit   number of Co contacts for auxiliary contacts   0   number of NC contacts for auxiliary contacts   0   0   0   0   0   0   0   0   0		
Auxiliary circuit number of CO contacts for auxiliary contacts number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts operating voltage of auxiliary contacts at AC maximum continuous current of the auxiliary contact at AC maximum continuous current of the auxiliary contact rated value insulation voltage of the auxiliary switch rated value insulation voltage of the auxiliary switch rated value suitability suitability for use main switch yes suitability for use main switch suitability for use switch disconnector yes suitability for use switch disconnector yes suitability for use switch disconnector yes suitability for use switch yes suitability for use safety switch yes  Product details  Product details  product feature can be locked into OFF position  **coessories**  **product feature can be locked into OFF position **entor drive **voltage trigger  **product extension optional **entor drive **voltage trigger  **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 CO contacts for auxiliary contacts attachable maximum  **number of bracket locks maximum  **number of bracket locks maximum  **number of bracket locks maximum  **number of connectable CO contacts for auxiliary contacts attachable maximum  **number of connectable CO contacts for auxiliary contacts attachable maximum  **number of connectable CO contacts for auxiliary contacts attachable maximum  **number of connectable CO contacts for auxiliary contacts attachable maximum  **number of connectable CO contacts for auxiliary contacts attachable maximum  **number of connectable CO contacts for auxiliary contacts attachable maximum  **number of connectable CO contacts for auxiliary contacts attachable maximum  **number of connectable CO contacts for auxiliary contacts attachable maximum  **number of conne		
number of CO contacts for auxiliary contacts  number of NC contacts for auxiliary contacts  operating voltage of auxiliary contacts at AC maximum  continuous current of the auxiliary contact rated value  operating voltage of the auxiliary contact rated value  suitability  suitability for use main switch  suitability for use switch disconnector  ves  suitability for use safety switch  ves  suitability for use maintenance/repair switch  ves  suitability for use maintenance/repair switch  ves  suitability for use maintenance/repair switch  ves  product defaults  product defaults  product feature can be locked into OFF position  **Cocessories**  product extension optional  **notor drive**  **number of connectable NC contacts for auxiliary contacts attachable maximum  number of connectable NC contacts for auxiliary contacts attachable maximum  number of bracket locks maximum  **number of bracket locks maximum  number of bracket locks maximum  **number of bracket locks maximum  number of bracket locks maximum  **a las of vice rombination switch + gG fuse maximum  **a las of vice rombination switch + gG fuse maximum  **a las of vice rombination switch + gG fuse maximum  **a las of vice rombination switch + gG fuse maximum  **a las of vice rombination switch + gG fuse maximum  **a las of vice rombination switch + gG fuse maximum  **a las of vice rombination switch + gG fuse maximum  **a las of vice rombination switch + gG fuse maximum  **a las of vice rombination switch + gG fuse maximum  **a las of vice rombination switch + gG fuse maximum  **a las of vice rombination switch + gG fuse maximum  **a las of vice rombination switch + gG fuse maximum  **a las of vice rombination switch +		15 KVV
number of NC contacts for auxiliary contacts 0  number of NO contacts for auxiliary contacts 0  continuous current of the auxiliary contact at AC maximum 500 V  continuous current of the auxiliary contact at AC maximum 500 V  continuous current of the auxiliary contact at AC maximum 500 V  continuous current of the auxiliary contact rated value 500 V  Suitability V  suitability for use main switch Yes  suitability for use main switch Yes  suitability for use switch disconnector Yes  suitability for use safety switch No No  suitability for use safety switch Yes  suitability for use safety switch Yes  product deatine can be locked into OFF position Yes  product deatine can be locked into OFF position Yes   **coessories**  product extension optional **  **notor drive**  **voltage trigger No No  number of connectable NC contacts for auxiliary contacts  attachable maximum  number of connectable NC contacts for auxiliary contacts  attachable maximum  number of connectable CO contacts for auxiliary contacts  attachable maximum 3   **noner of connectable CO contacts for auxiliary contacts  attachable maximum 3   **noner of connectable CO contacts for auxiliary contacts  attachable maximum 3   **noner of connectable CO contacts for auxiliary contacts  attachable maximum 3   **noner of connectable CO contacts for auxiliary contacts  attachable maximum 3   **noner of connectable CO contacts for auxiliary contacts  attachable maximum 3   **noner of connectable CO contacts for auxiliary contacts  attachable maximum 6   **noner of connectable CO contacts for auxiliary contacts  attachable maximum 6   **noner of connectable CO contacts for auxiliary contacts  attachable maximum 6   **noner of connectable CO contacts for auxiliary contacts  attachable maximum 6   **noner of connectable CO contacts for auxiliary contacts  attachable maximum 6   **noner of connectable CO contacts for auxiliary contacts  attachable maximum 6   **noner of connectable CO contacts for auxiliary contacts  attachable maximum 6   **noner of connectable		
number of NO contacts for auxiliary contacts operating voltage of auxiliary contacts at AC maximum continuous current of the auxiliary contact rated value insulation voltage of the auxiliary switch rated value 500 V  Sultability Sultability for use main switch suitability for use main switch suitability for use switch disconnector ves suitability for use safety switch ves product details product feature can be locked into OFF position ves successories  product extension optional ves of connectable NC contacts for auxiliary contacts attachable maximum number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable NO contacts for auxiliary contacts attachable maximum number of connectable CO contacts for auxiliary contacts attachable maximum number of connectable CO contacts for auxiliary contacts attachable maximum number of connectable CO contacts for auxiliary contacts attachable maximum number of connectable CO contacts for auxiliary contacts attachable maximum number of bracket locks maximum anabap 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 50 kA  let-through current with closed switch at 690 V by G fuse maximum at 60 kA at 690 V by G 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 fo	·	
operating voltage of auxiliary contacts at AC maximum continuous current of the auxiliary contact rated value insulation voltage of the auxiliary switch rated value insulation voltage of the auxiliary switch rated value Situability suitability suitability for use main switch suitability for use switch disconnector yes suitability for use selected contacts of the suitability for use safety switch yes  Product details  product feature can be locked into OFF position  **Coccssories**  **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 13 hasp trickness of the bracket locks Short circuit conditional short-circuit current with line-side fuse protection • at 690 V by gG fuse rated value • at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum eat 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum eat 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum eat 440 V for combination switch + gG fuse maximum eat 440 V for combination switch + gG fuse maximum eat 440 V for combination switch + gG fuse maximum eat 440 V for combination switch + gG fuse maximum eat 440 V for combination switch + gG fuse maximum eat 440 V for combination switch + gG fuse maximum eat 440 V for combination switch + gG fuse maximum eat 440 V for combination switch + gG fuse maximum eat 440 V for combination switch + gG fuse maximum eat 440 V for combination switch + gG fuse maximum eat 440 V for combination switch + gG fuse maximum eat 440 V for combina	•	
continuous current of the auxiliary contact rated value insulation voltage of the auxiliary switch rated value  500 V  Suitability  suitability for use main switch  Yes suitability for use switch disconnector  Yes suitability for use switch disconnector  Yes suitability for use switch disconnector  Ves suitability for use safety switch  Yes suitability for use maintenance/repair switch  Product details  product feature can be locked into OFF position  **encessories**  product extension optional  **motor drive**  **otalage trigger**  No  number of connectable NC contacts for auxiliary contacts attachable maximum  number of connectable NC contacts for auxiliary contacts attachable maximum  number of connectable NO contacts for auxiliary contacts attachable maximum  number of connectable CO contacts for auxiliary contacts attachable maximum  number of reacket 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  * at 690 V by g G fuse rated value  * at 440 V for combination switch + gG fuse maximum  * at 440 V for combination switch + gG fuse maximum  * at 440 V for combination switch + gG fuse maximum  * 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 690 V for combination switch + gG fuse maximum  * at		
Insulation voltage of the auxiliary switch rated value  Suitability  suitability for use main switch  suitability for use switch disconnector  Yes  suitability for use switch disconnector  suitability for use safety switch  suitability for use safety switch  suitability for use safety switch  Yes  Product details  product details  product stension 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 CC contacts for auxiliary contacts attachable maximum  number of bracket locks maximum  number of bracket locks maximum  1 ahasp thickness of the bracket locks  4 and 890 V by gG fuse rated value  let-through current with closed switch  att 440 V for combination switch + gG fuse maximum  att 440 V for combination switch + gG fuse maximum  eatt 440 V for combination switch + gG fuse maximum  att 440 V for combination switch + gG fuse maximum  eatt 440 V for combinat		
Suitability  suitability for use main switch  suitability for use switch disconnector  yes  suitability for use seffective for switch  suitability for use safety switch  suitability for use safety switch  yes  suitability for use maintenance/repair switch  Yes  product details  product details  product seature can be locked into OFF position  **Coessories**  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 NO contacts for auxiliary contacts attachable maximum  number of bracket locks maximum  number of bracket locks maximum  1 hasp thickness of the bracket locks  Short circuit  conditional short-circuit current with line-side fuse protection  • at 690 V by gG fuse rated value  • at 240 V for combination switch + gG fuse maximum  permissible  12t value with closed switch  • at 240 V for combination switch + gG fuse maximum  eat 440 V for combination swit	-	17.1
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suitability for use SMIERGENCY OFF switch suitability for use safety switch suitability for use maintenance/repair switch yes suitability for use maintenance/repair switch Yes suitability for use maintenance/repair switch Yes  Product details product feature can be locked into OFF position **OFF counce of the suitability of the suitability for use maintenance/repair switch  **OFF counce of the suitable of the suitability for use maintenance/repair switch  **OFF counce of the suitable of the suitability for use maintenance/repair switch  **OFF counce of the suitable of the suitability for use maintenance/repair switch  **OFF counce of the suitable of the suitability for use maintenance/repair switch  **OFF counce of the suitable of the suitability for use maximum  **OFF counce of the suitable of the suitability for use maximum  **OFF counce of the suitable of the suitability for use maximum  **OFF counce of the suitable of the suitability for use maximum  **OFF counce of the suitable of the suitability for use maximum  **OFF counce of the suitability		
suitability for use EMERGENCY OFF switch  suitability for use maintenance/repair switch  Product details  product feature can be locked into OFF position  scessories  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 OC contacts for auxiliary contacts attachable maximum  number of bracket locks maximum  number of bracket locks maximum  number of bracket locks maximum  state of connectable OC contacts for auxiliary contacts attachable maximum  number of bracket locks maximum  number of bracket locks maximum  state of connectable OC contacts for auxiliary contacts attachable maximum  number of bracket locks maximum  number of bracket locks maximum  state of connectable OC contacts for auxiliary contacts attachable maximum  number of bracket locks maximum  number of bracket locks maximum  attachable maximum  of bracket locks ducks  state of the bracket locks  state of the		
suitability for use safety switch suitability for use maintenance/repair switch Product details product details product feature can be locked into OFF position accessories  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 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 • at 240 V for combination switch + gG fuse maximum permissible  12t value with closed switch • at 240 V for combination switch + gG fuse maximum e at 440 V for combination switch + gG fuse maximum e at 440 V for combination switch + gG fuse maximum e at 440 V for combination switch + gG fuse maximum e at 440 V for combination switch + gG fuse maximum e at 440 V for combination switch + gG fuse maximum e at 440 V for combination switch + gG fuse maximum e at 440 V for combination switch + gG fuse maximum e at 440 V for combination switch + gG fuse maximum e at 440 V for combination switch + gG fuse maximum e at 440 V for combination switch + gG fuse maximum e at 460 V V for combination switch + gG fuse maximum e at 440 V for combination switch + gG fuse maximum e at 440 V for combination switch + gG fuse maximum e at 460 V V for combination switch + gG fuse maximum e at 690 V V for combination switch + gG fuse maximum e at 690 V for combination switch + gG fuse maximum e at 690 V for combination switch + gG fuse maximum e at 690 V for combination switch + gG fuse maximum e at 690 V for combination switch + gG fuse maximum e at 690 V for combination switch + gG fuse maximum e at 690 V for combination switch + gG fuse maximum e at 690 V for combination switch + gG fuse maximum e at 690 V for c	<u>-</u>	
suitability for use maintenance/repair switch  Product details  product feature can be locked into OFF position  **Pes**  **Total 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 connectable CO contacts for auxiliary contacts attachable 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 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 890 V for combination switch + gG fuse maximum  • at 400 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  • fuse gL/gG: 63 A		
product details  product feature can be locked into OFF position  accessories  product extension optional	suitability for use safety switch	Yes
product feature can be locked into OFF position  accessories  product extension optional  ontor 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  number of bracket locks maximum  number of bracket locks maximum  shasp thickness of the bracket locks  4 8 mm  Short circuit  conditional short-circuit current with line-side fuse protection  at 4890 V by gG fuse rated value  fet-through current with closed switch  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 c	·	Yes
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 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  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  • 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 490 V for combination switch + gG fuse maximum  • at 21 kA2.s  • at 440 V for combination switch + gG fuse maximum  • at 490 V for combination switch + gG fuse maximum  • at 490 V for combination switch + gG fuse maximum  • at 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 combination switch + gG fuse maximum	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  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  10 tet-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 440 V for combination switch + gG fuse maximum  • at 490 V for combination switch + gG fuse maximum  • at 490 V for combination switch + gG fuse maximum  • at 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 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  21 kA2.s  • at 690 V for combination switch + gG fuse maximum  21 kA2.s  • at 690 V for combination switch + gG fuse maximum  21 kA2.s  • at 690 V for combination switch + gG fuse maximum  21 kA2.s	·	Yes
moutor drive     voltage trigger     No  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 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  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  l2t 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     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	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     number of bracket locks maximum     alshap 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  let value with closed switch      at 240 V for combination switch + gG fuse maximum     at 440 V for combination switch + gG fuse fuse fuse fuse fuse fuse fuse fuse	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  number of bracket locks maximum  number of bracket locks maximum  shasp 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  10 the 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 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  21 kA2.s  • at 690 V for combination switch + gG fuse maximum  21 kA2.s  • at 690 V for combination switch + gG fuse maximum  21 kA2.s  • at 690 V for combination switch + gG fuse maximum  21 kA2.s  • at 690 V for combination switch + gG fuse maximum  21 kA2.s  • at 690 V for combination switch + gG fuse maximum  21 kA2.s	<ul> <li>motor drive</li> </ul>	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 maximum  number of bracket locks maximum  hasp thickness of the bracket locks  Short circuit  conditional short-circuit current with line-side fuse protection  • at 690 V by gG fuse rated value  10 to 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 permissible  12t value with closed switch  • at 240 V for combination switch + gG fuse maximum • at 240 V for combination switch + gG fuse maximum • at 240 V for combination switch + gG fuse maximum 21 kA2.s  • at 440 V for combination switch + gG fuse maximum 21 kA2.s  • at 690 V for combination switch + gG fuse maximum 21 kA2.s  • at 690 V for combination switch + gG fuse maximum 21 kA2.s  • at 690 V for combination switch + gG fuse maximum 21 kA2.s  • at 690 V for combination switch + gG fuse maximum 21 kA2.s  • at 690 V for combination switch + gG fuse maximum 21 kA2.s  • at 690 V for combination switch + gG fuse maximum 21 kA2.s	voltage trigger	No
attachable maximum number of connectable CO contacts for auxiliary contacts attachable 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  let-through current with closed switch • at 240 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 permissible  l2t value with closed switch • at 240 V for combination switch + gG fuse maximum at 240 V for combination switch + gG fuse maximum end 24 kA2.s • at 690 V for combination switch + gG fuse maximum at 24 kA2.s • at 690 V for combination switch + gG fuse maximum at 440 V for combination s		3
number of bracket locks maximum  hasp thickness of the bracket locks  Short circuit  conditional short-circuit current with line-side fuse protection  • at 690 V by gG fuse rated value  10 kA  10 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  permissible  12 value with closed switch  • at 240 V for combination switch + gG fuse maximum  at 240 V for combination switch + gG fuse maximum  at 240 V for combination switch + gG fuse maximum  at 240 V for combination switch + gG fuse maximum  at 240 V for combination switch + gG fuse maximum  at 240 V for combination switch + gG fuse maximum  at 240 V for combination switch + gG fuse maximum  at 240 V for combination switch + gG fuse maximum  at 240 V for combination switch + gG fuse maximum  at 240 V for combination switch + gG fuse maximum  at 690 V for combination		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  10 kA  10 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  12 value with closed switch  • at 240 V for combination switch + gG fuse maximum  permissible  12 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 690 V for combination switch + gG fuse maximum  • at 690 V for combination switch + gG fuse maximum  can design of the fuse link  • for short-circuit protection of the main circuit required  fuse gL/gG: 63 A		0
Short circuit  conditional short-circuit current with line-side fuse protection  • at 690 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  • 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 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  10 kA2.s  • at 690 V for combination switch + gG fuse maximum  11 kA2.s  • at 690 V for combination switch + gG fuse maximum  12 kA2.s  • at 690 V for combination switch + gG fuse maximum  13 kA2.s  • at 690 V for combination switch + gG fuse maximum  14 kA2.s  • at 690 V for combination switch + gG fuse maximum  15 kA2.s  • at 690 V for combination switch + gG fuse maximum  16 kA  17 kA2.s  18 kA2.s	number of bracket locks maximum	3
conditional short-circuit current with line-side fuse protection  • at 690 V by gG fuse rated value  10 tet-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  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 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  1 kA2.s  • at 690 V for combination switch + gG fuse maximum  21 kA2.s  • at 690 V for combination switch + gG fuse maximum  21 kA2.s	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 permissible  l2t value with closed switch  • 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 fuse fuse fuse fuse fuse fuse fuse		
<ul> <li>at 240 V for combination switch + gG fuse maximum</li> <li>at 440 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum permissible</li> <li>12t value with closed switch</li> <li>at 240 V for combination switch + gG fuse maximum</li> <li>at 440 V for combination switch + gG fuse maximum</li> <li>at 440 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>tA2.s</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>tA2.s</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>fuse gL/gG: 63 A</li> </ul>	at 690 V by gG fuse rated value	50 kA
<ul> <li>at 440 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum permissible</li> <li>12t value with closed switch</li> <li>at 240 V for combination switch + gG fuse maximum</li> <li>at 440 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>tA2.s</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>tA2.s</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>fuse gL/gG: 63 A</li> </ul>	let-through current with closed switch	
<ul> <li>at 690 V for combination switch + gG fuse maximum permissible</li> <li>12t value with closed switch</li> <li>at 240 V for combination switch + gG fuse maximum</li> <li>at 440 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>tA2.s</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>tA2.s</li> <li>design of the fuse link</li> <li>for short-circuit protection of the main circuit required</li> <li>fuse gL/gG: 63 A</li> </ul>	• at 240 V for combination switch + gG fuse maximum	6 kA
permissible    I2t value with closed switch	• at 440 V for combination switch + gG fuse maximum	6 kA
<ul> <li>at 240 V for combination switch + gG fuse maximum</li> <li>at 440 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>kA2.s</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>kA2.s</li> <li>design of the fuse link</li> <li>for short-circuit protection of the main circuit required</li> <li>fuse gL/gG: 63 A</li> </ul>	· ·	6 kA
<ul> <li>at 440 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>design of the fuse link</li> <li>for short-circuit protection of the main circuit required</li> <li>fuse gL/gG: 63 A</li> </ul>	I2t value with closed switch	
<ul> <li>at 690 V for combination switch + gG fuse maximum</li> <li>design of the fuse link</li> <li>for short-circuit protection of the main circuit required</li> <li>fuse gL/gG: 63 A</li> </ul>	• at 240 V for combination switch + gG fuse maximum	21 kA2.s
design of the fuse link  • for short-circuit protection of the main circuit required fuse gL/gG: 63 A	• at 440 V for combination switch + gG fuse maximum	21 kA2.s
• for short-circuit protection of the main circuit required fuse gL/gG: 63 A	• at 690 V for combination switch + gG fuse maximum	21 kA2.s
	design of the fuse link	
<ul> <li>for short-circuit protection of the auxiliary switch required fuse aL/aG: 10 A</li> </ul>		
	for short-circuit protection of the auxiliary switch required	fuse gL/gG: 10 A
operational current of upstream fuse rated value 63 A	operational current of upstream fuse rated value	63 A
according UL	according UL	
operational current at AC according to UL 508/UL 60947-4-1 63 A rated value		63 A
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 40 60947-4-1 rated value	rated value operating voltage at AC at 50/60 Hz according to UL 508/UL	600 V
active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value	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	
short-time withstand current (SCCR) at 600 V according to 5 kA	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	40

UL 508/UL 60947-4-1	
continuous current of upstream fuse according to UL rated value	175 A
type of fuse according to UL	RK5
Connections	
AWG number as coded connectable conductor cross section solid maximum	
•	6
•	14
type of connectable conductor cross-sections for copper conductor	
• solid	1x (2,535mm²)
<ul> <li>finely stranded with core end processing</li> </ul>	1x (2.516 mm²)
stranded	1x (2,535mm²)
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	
<ul> <li>for main current circuit</li> </ul>	box terminal
<ul> <li>for auxiliary contacts</li> </ul>	connection terminals
Mechanical Design	
height	106 mm
width	90 mm
depth	468.5 mm
type of device	fixed mounting
fastening method	Built-in unit fixed-mounted version
fastening method	
<ul> <li>4-hole front mounting</li> </ul>	Yes
<ul> <li>front mounting with central attachment</li> </ul>	No
rail mounting	Yes
net weight	624 g
Environmental conditions	
ambient temperature during operation	
• minimum	-25 °C
maximum	55 °C
ambient temperature during storage	
• minimum	-25 °C
• maximum	55 °C
Approvals Certificates	

## General Product Approval







Confirmation





**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=3LD2514-0TK51

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

https://support.industry.siemens.com/cs/ww/en/ps/3LD2514-0TK51

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3LD2514-0TK51

CAx-Online-Generator

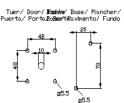
http://www.siemens.com/cax

Tender specifications

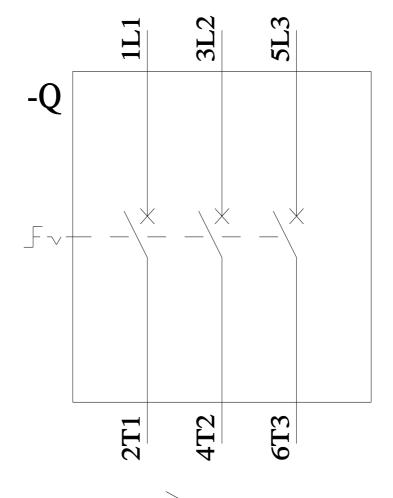
http://www.siemens.com/specifications

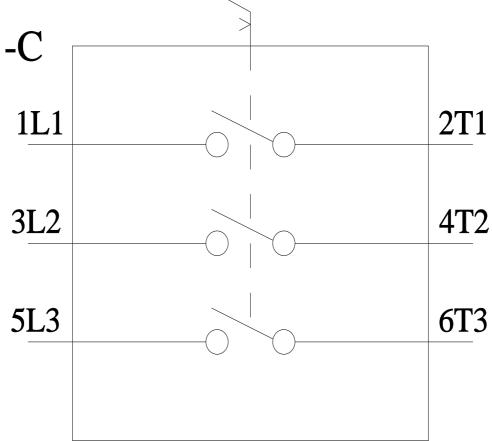












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