# SIEMENS

### Data sheet

## 3LD2704-0TK51



SENTRON, Switch disconnector 3LD, main switch, 3-pole, lu: 100 A, Operating power / at AC-23 A at 400 V: 37 kW, front-mounted, rotary operating mechanism, black, 4-hole mounting of the handle

product brand name         SENTRON           product designation         Switch disconnector           design of the product         Main switch           display version for switch position indicator manual operation         10N + 0.0FF           lype of switch         front mounted           design of the actuating element         Short tortary 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	Model		
design of the product     Main switch       display version for switch position indicator manual operation     10N - 0 OFF       type of switch     front mounted       design of the actuating element     Shot rotary knob       color of the actuating element     black       design of switch disconnector     4       number of poles     3       size of switch disconnector     4       mechanical service life (operating cycles) bylical     100 000       electrical endurance (operating cycles) bylical     6000       operating frequency maximum     60 1/h       degree of politoin     3       Voltage     rest AC zaled value       surge voltage resistance rated value     680 V       surge voltage resistance rated value     690 V       operating frequency rated value     690 V       operating frequency rated value	product brand name	SENTRON	
display version for switch position indicator manual operation       1 ON - 0 OFF         type of switch       front mounted         design of the actuating element       black         dosign of handle       rotary operating mechanism, black         type of the driving mechanism motor drive       No         Ceneral technical data       number of poles         size of switch disconnector       4         mechanical service life (operating cycles) typical       100 000         electrical endurance (operating cycles) typical       00 000         electrical endurance (operating cycles) typical       00 000         electrical endurance (operating cycles)       6         etat AC-23 A at 690 V       6 000         operating frequency maximum       50 1/h         degree of pollution       3         Voltage       6         e at AC-23 At 800 V       6000 V         surge voltage rated value       690 V         operating frequency rated value       600 V         e at AC rated value       690 V         operating rotage       e         e at AC rated value       690 V         operating frequency rated value       600 V         e maximum       60 Hz         Protection class IP on the front       IP65	product designation	Switch disconnector	
operation         front mounted           design of the actuating element         black           color of the actuating element         black           design of handle         rolary operating mechanism, black           type of the driving mechanism motor drive         No           Ceneral technical data	design of the product	Main switch	
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		1 ON - 0 OFF	
color of the actuating element     black       design of handle     rotary operating mechanism, black       type of the driving mechanism motor drive     No       Centre of technical data     Immber of poles       size of switch disconnector     4       mechanical service life (operating cycles) typical     100 000       electrical endurance (operating cycles)     6 000       • at AC-23 A at 690 V     6 000       operating frequency maximum     50 1/h.       degree of pollution     3       Voltage     Imsulation voltage rated value       • at AC rated value     690 V       operating frequency rated value     600 Hz       Protection class IP     IP65       protection class IP on the front     IP65       Dissipation     7.5 W       operating lex per pole     100 A       et at C-21 At at 90 V rated value     100 A       et at C-21 At at 400 V rated value     100 A	type of switch	front mounted	
design of handle       rotary operating mechanism, black         type of the driving mechanism motor drive       No         General technical data	design of the actuating element	Short rotary knob	
type of the driving mechanism motor drive         No           Ceneral technical data	color of the actuating element	black	
General technical data         number of poles       3         size of switch disconnector       4         mechanical service life (operating cycles) typical       100 000         electrical endurance (operating cycles)       6         • at AC-23 A at 690 V       6 000         operating frequency maximum       50 1/h         degree of pollution       3         Voltage	design of handle	rotary operating mechanism, black	
number of poles     3       size of switch disconnector     4       mechanical service life (operating cycles) typical     100 000       electrical endurance (operating cycles)     6 000       operating frequency maximum     60 00       operating frequency maximum     50 1/h       degree of pollution     3       Voltage     insulation voltage rated value       insulation voltage rated value     690 V       surge voltage resistance rated value     690 V       operating frequency rated value     690 V       operational curses IP     106 Hz       protection class IP on the front     1P65       Operating state per pole     7.5 W       operational current     100 A       • at AC-21 at 690 V rated value     100 A       • at AC-21 At at 240 V rated value     100 A       • at AC-21 At 400	type of the driving mechanism motor drive	No	
size of switch disconnector     4       mechanical service life (operating cycles) typical     100 000       electrical endurance (operating cycles)     6       • at AC-23 A at 690 V     6 000       operating frequency maximum     50 1/h       degree of pollution     3       Voltage     690 V       insulation voltage rated value     690 V       surge voltage resistance rated value     690 V       operating frequency rated value     690 V       operating state per pole     1065       degree of protection NEMA rating     1, 3R, 4X, 12       protection class IP on the front     IP65       Dissipation     7.5 W       operating state per pole </th <th colspan="3">General technical data</th>	General technical data		
mechanical service life (operating cycles) typical     100 000       electrical endurance (operating cycles)     6 000       operating frequency maximum     50 1/h       degree of pollution     3       Voltage     insulation voltage rated value       insulation voltage rated value     690 V       surge voltage resistance rated value     690 V       operating requency maximum     60 V       operating requency rated value     690 V       operating requency rated value     690 V       operating frequency rated value     60 Hz       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       Main circuit     operational current <t< th=""><th>number of poles</th><th>3</th></t<>	number of poles	3	
electrical endurance (operating cycles)       6 000         operating frequency maximum       50 1/h         degree of pollution       3         Voltage       insulation voltage rated value         insulation voltage rated value       690 V         surge voltage resistance rated value       690 V         operating requency maximum       600         operating voltage       690 V         e at AC rated value       690 V         operating frequency rated value       690 V         operating requency rated value       690 V         operating requency rated value       60 Hz         Protection class IP       IP65         degree of protection NEMA rating       1, 3R, 4X, 12         protection class IP on the front       IP65         Dissipation       7.5 W         operating state per pole       7.5 W         operating state per pole       100 A         e at AC-21 A to 20 V rated value       100 A         e at AC-21 A at 400 V rated value       100 A         e at AC-21 A to 40 V rated value       100 A <th>size of switch disconnector</th> <th>4</th>	size of switch disconnector	4	
• at AC-23 A at 690 V       6 000         operating frequency maximum       50 1/h         degree of pollution       3         Voltage       690 V         insulation voltage rated value       690 V         surge voltage resistance rated value       6 kV         operating voltage       6 kV         operating rotage       6 kV         operating frequency rated value       690 V         operating frequency rated value       60 Hz         Protection class IP       IP65         degree of protection NEMA rating       1, 3R, 4X, 12         protection class IP on the front       IP65         Dissipation       7.5 W         operational current       operational current         • at AC-21 at edo V rated value       100 A         • at AC-21 At edo V rated value       100 A         • at AC-21 At edo V rated valu	mechanical service life (operating cycles) typical	100 000	
operating frequency maximum         50 1/h           degree of pollution         3           Voltage         690 V           insulation voltage rated value         690 V           surge voltage resistance rated value         6 kV           operating frequency rated value         6 kV           operating frequency rated value         690 V           • at AC rated value         690 V           operating frequency rated value         690 V           • minimum         50 Hz           • maximum         60 Hz           Protection class IP         IP65           degree of protection NEMA rating         1, 3R, 4X, 12           protection class IP on the front         IP65           Dissipation         7.5 W           operating state per pole         7.5 W           Main circuit         00 A           • at AC-21 at 690 V rated value         100 A           • at AC-21 At 240 V rated value         100 A           • at AC-21 At 400 V rated value         100 A	electrical endurance (operating cycles)		
degree of pollution       3         Voltage       insulation voltage rated value       690 V         surge voltage resistance rated value       6 kV         operating voltage       6 kV         • at AC rated value       690 V         operating requency rated value       690 V         • at AC rated value       690 V         operating frequency rated value       690 V         • minimum       50 Hz         • maximum       60 Hz         Protection class IP       IP65         degree of protection NEMA rating       1, 3R, 4X, 12         protection class IP on the front       IP65         Dissipation       7.5 W         operating state per pole       7.5 W         operating state per pole       100 A         • at AC-21 at 690 V rated value       100 A         • at AC-21 At 240 V rated value       100 A         • at AC-21 At 400 V rated value       100 A	• at AC-23 A at 690 V	6 000	
Voltage         insulation voltage rated value       690 V         surge voltage resistance rated value       6 kV         operating voltage       6 kV         • at AC rated value       690 V         operating frequency rated value       690 V         • minimum       50 Hz         • maximum       60 Hz         Protection class       Protection class IP         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       7.5 W         Main circuit       operational current         • at AC-21 at 690 V rated value       100 A         • at AC-21 A at 240 V rated value       100 A         • at AC-21 A at 400 V rated value       100 A	operating frequency maximum	50 1/h	
insulation voltage rated value       690 V         surge voltage resistance rated value       6 kV         operating voltage       690 V         • at AC rated value       690 V         operating frequency rated value       690 V         • minimum       50 Hz         • maximum       60 Hz         Protection class       Protection class IP         protection class IP       IP65         degree of protection NEMA rating       1, 3R, 4X, 12         protection class IP on the front       IP65         Dissipation       IP65         Main circuit       7.5 W         operating state per pole       Main circuit         operating late V vated value       100 A         • at AC-21 at 690 V rated value       100 A         • at AC-21 A at 400 V rated value       100 A	<b>•</b> •	3	
surge voltage resistance rated value       6 kV         operating voltage <ul> <li>at AC rated value</li> <li>690 V</li> </ul> operating frequency rated value         690 V           operating frequency rated value         690 V           operating frequency rated value         690 V           operating frequency rated value         60 Hz           Protection class         100 Hz           Protection class IP         IP65           degree of protection NEMA rating         1, 3R, 4X, 12           protection class IP on the front         IP65           Dissipation         1965           Dissipation         7.5 W           operating state per pole         100 A           At AC-21 at 690 V rated value         100 A           • at AC-21 A at 240 V rated value         100 A           • at AC-21 A at 400 V rated value         100 A	Voltage		
operating voltage     690 V       operating frequency rated value     690 V       operating frequency rated value     600 Hz       e maximum     60 Hz       Protection class     1, 3R, 4X, 12       protection class IP     IP65       degree of protection NEMA rating     1, 3R, 4X, 12       protection class IP on the front     IP65       Dissipation     7.5 W       power loss [W] for rated value of the current at AC in hot operating state per pole     7.5 W       Main circuit     100 A       • at AC-21 at 690 V rated value     100 A       • at AC-21 A at 240 V rated value     100 A       • at AC-21 A at 400 V rated value     100 A	insulation voltage rated value	690 V	
• at AC rated value       690 V         operating frequency rated value       50 Hz         • minimum       60 Hz         Protection class       Protection class IP         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         Main circuit       7.5 W         operational current       100 A         • at AC-21 A at 240 V rated value       100 A         • at AC-21 A at 400 V rated value       100 A	surge voltage resistance rated value	6 kV	
operating frequency rated value50 Hz• maximum60 HzProtection class1065protection class IPIP65degree of protection NEMA rating1, 3R, 4X, 12protection class IP on the frontIP65Dissipation1065Dissipation7.5 Wpower loss [W] for rated value of the current at AC in hot operating state per pole7.5 WMain circuit100 Aoperational current100 A• at AC-21 At 690 V rated value100 A• at AC-21 A at 400 V rated value100 A• at AC-21 A at 400 V rated value100 A	operating voltage		
• minimum50 Hz• maximum60 HzProtection classIP65degree of protection NEMA rating1, 3R, 4X, 12protection class IP on the frontIP65DissipationIP65DissipationIP65Main circuit7.5 Woperating state per pole100 A• at AC-21 at 690 V rated value100 A• at AC-21 A at 240 V rated value100 A• at AC-21 A at 400 V rated value100 A	<ul> <li>at AC rated value</li> </ul>	690 V	
• maximum60 HzProtection classPprotection class IPIP65degree of protection NEMA rating1, 3R, 4X, 12protection class IP on the frontIP65DissipationIP65Dissipation7.5 Wpower loss [W] for rated value of the current at AC in hot operating state per pole7.5 WOperational current100 A• at AC-21 at 690 V rated value100 A• at AC-21 A at 240 V rated value100 A• at AC-21 A at 400 V rated value100 A	operating frequency rated value		
Protection classIP65degree of protection NEMA rating1, 3R, 4X, 12protection class IP on the frontIP65DissipationIP65Dissipation7.5 Wpower loss [W] for rated value of the current at AC in hot operating state per pole7.5 WMain circuitoperational current• at AC-21 at 690 V rated value100 A• at AC-21 A at 240 V rated value100 A• at AC-21 A at 400 V rated value100 A	• minimum	50 Hz	
protection class IPIP65degree of protection NEMA rating1, 3R, 4X, 12protection class IP on the frontIP65DissipationIP65power loss [W] for rated value of the current at AC in hot operating state per pole7.5 WMain circuitIP65operational current • at AC-21 A at 240 V rated value100 A• at AC-21 A at 400 V rated value100 A• at AC-21 A at 400 V rated value100 A	• maximum	60 Hz	
degree of protection NEMA rating1, 3R, 4X, 12protection class IP on the frontIP65Dissipation7.5 Wpower loss [W] for rated value of the current at AC in hot operating state per pole7.5 WMain circuit7.5 Woperational current • at AC-21 at 690 V rated value100 A• at AC-21 A at 240 V rated value100 A• at AC-21 A at 400 V rated value100 A• at AC-21 A at 400 V rated value100 A	Protection class		
protection class IP on the frontIP65Dissipation7.5 Wpower loss [W] for rated value of the current at AC in hot operating state per pole7.5 WMain circuit9000000000000000000000000000000000000	protection class IP	IP65	
Dissipation       power loss [W] for rated value of the current at AC in hot operating state per pole     7.5 W       Main circuit       operational current     100 A       • at AC-21 at 690 V rated value     100 A       • at AC-21 A at 240 V rated value     100 A       • at AC-21 A at 240 V rated value     100 A       • at AC-21 A at 240 V rated value     100 A	degree of protection NEMA rating	1, 3R, 4X, 12	
power loss [W] for rated value of the current at AC in hot operating state per pole       7.5 W         Main circuit	protection class IP on the front	IP65	
operating state per pole       Main circuit       operational current       • at AC-21 at 690 V rated value       • at AC-21 A at 240 V rated value       • at AC-21 A at 240 V rated value       • at AC-21 A at 240 V rated value       • at AC-21 A at 400 V rated value       • at AC-21 A at 400 V rated value	Dissipation		
operational current• at AC-21 at 690 V rated value100 A• at AC-21 A at 240 V rated value100 A• at AC-21 A at 400 V rated value100 A		7.5 W	
• at AC-21 at 690 V rated value100 A• at AC-21 A at 240 V rated value100 A• at AC-21 A at 400 V rated value100 A	Main circuit		
• at AC-21 A at 240 V rated value100 A• at AC-21 A at 400 V rated value100 A	operational current		
• at AC-21 A at 400 V rated value 100 A	• at AC-21 at 690 V rated value	100 A	
	• at AC-21 A at 240 V rated value	100 A	
at AC-21 A at 440 V rated value     100 A	• at AC-21 A at 400 V rated value	100 A	
	• at AC-21 A at 440 V rated value	100 A	

at AC-23 A at 400 V rated value     70 A	
operating power	,
at AC-23 A at 240 V rated value	V .
• at AC-23 A at 400 V rated value 37 kW	
• at AC-23 A at 440 V rated value 37 kW	
• at AC-23 A at 690 V rated value 30 kW	
at AC-3 at 240 V rated value     18.5 kV	V
at AC-3 at 400 V rated value     30 kW	
at AC-3 at 690 V rated value     22 kW	
Auxiliary circuit	
number of CO contacts for auxiliary contacts 0	
number of NC contacts for auxiliary contacts 0	
number of NO 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 switch rated value 500 V	
Suitability	
suitability for use main switch Yes	
suitability for use switch disconnector Yes	
suitability for use EMERGENCY OFF switch No	
suitability for use safety switch Yes suitability for use maintenance/repair switch Yes	
Product details	
product feature can be locked into OFF position Yes	
accessories	
product extension optional	
motor drive     No	
voltage trigger No number of connectable NC contacts for auxiliary contacts	
attachable maximum	
number of connectable NO contacts for auxiliary contacts 3 attachable maximum	
number of connectable CO contacts for auxiliary contacts 0 attachable maximum	
number of bracket locks maximum 3	
hasp thickness of the bracket locks 4 8 n	nm
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 10 kA	
• at 440 V for combination switch + gG fuse maximum 10 kA	
• at 690 V for combination switch + gG fuse maximum 10 kA permissible	
permissible         I2t value with closed switch         • at 240 V for combination switch + gG fuse maximum         64 kA2	
permissible       I2t value with closed switch         • at 240 V for combination switch + gG fuse maximum       64 kA2         • at 440 V for combination switch + gG fuse maximum       64 kA2	
permissible         I2t value with closed switch         • at 240 V for combination switch + gG fuse maximum         64 kA2         • at 440 V for combination switch + gG fuse maximum         64 kA2         • at 690 V for combination switch + gG fuse maximum         64 kA2	s
permissible       I2t value with closed switch         • at 240 V for combination switch + gG fuse maximum       64 kA2         • at 440 V for combination switch + gG fuse maximum       64 kA2         • at 690 V for combination switch + gG fuse maximum       64 kA2         • at 690 V for combination switch + gG fuse maximum       64 kA2         • design of the fuse link       64 kA2	s s
permissible       I2t value with closed switch         • at 240 V for combination switch + gG fuse maximum       64 kA2         • at 440 V for combination switch + gG fuse maximum       64 kA2         • at 690 V for combination switch + gG fuse maximum       64 kA2         • at 690 V for combination switch + gG fuse maximum       64 kA2         • at 690 V for combination switch + gG fuse maximum       64 kA2         • at 690 V for combination switch + gG fuse maximum       64 kA2         • at 690 v for combination switch + gG fuse maximum       64 kA2         • at 690 v for combination switch + gG fuse maximum       64 kA2         • at 690 v for combination switch + gG fuse maximum       64 kA2         • at 690 v for combination switch + gG fuse maximum       64 kA2         • for short-circuit protection of the main circuit required       fuse gL	s s /gG: 100 A
permissible       I2t value with closed switch         • at 240 V for combination switch + gG fuse maximum       64 kA2         • at 440 V for combination switch + gG fuse maximum       64 kA2         • at 690 V for combination switch + gG fuse maximum       64 kA2         • at 690 V for combination switch + gG fuse maximum       64 kA2         • at 690 V for combination switch + gG fuse maximum       64 kA2         • at 690 V for combination switch + gG fuse maximum       64 kA2         • at 690 v for combination switch + gG fuse maximum       64 kA2         • at 690 v for combination switch + gG fuse maximum       64 kA2         • at 690 v for combination switch + gG fuse maximum       64 kA2         • at 690 v for combination switch + gG fuse maximum       64 kA2         • for short-circuit protection of the main circuit required       fuse gL         • for short-circuit protection of the auxiliary switch required       fuse gL	s s
permissible       I2t value with closed switch         • at 240 V for combination switch + gG fuse maximum       64 kA2         • at 440 V for combination switch + gG fuse maximum       64 kA2         • at 690 V for combination switch + gG fuse maximum       64 kA2         • at 690 V for combination switch + gG fuse maximum       64 kA2         • at 690 V for combination switch + gG fuse maximum       64 kA2         • at 690 V for combination switch + gG fuse maximum       64 kA2         • at 690 V for combination switch + gG fuse maximum       64 kA2         • at 690 V for combination switch + gG fuse maximum       64 kA2         • at 690 V for combination switch + gG fuse maximum       64 kA2         • at 690 V for combination switch + gG fuse maximum       64 kA2         • at 690 V for combination switch + gG fuse maximum       64 kA2         • at 690 V for combination switch + gG fuse maximum       64 kA2         • at 690 V for combination switch + gG fuse maximum       64 kA2         • for short-circuit protection of the main circuit required       fuse gL         • for short-circuit protection of the auxiliary switch required       fuse gL         • operational current of upstream fuse rated value       100 A	s s /gG: 100 A
permissible       I2t value with closed switch         • at 240 V for combination switch + gG fuse maximum       64 kA2         • at 440 V for combination switch + gG fuse maximum       64 kA2         • at 690 V for combination switch + gG fuse maximum       64 kA2         • at 690 V for combination switch + gG fuse maximum       64 kA2         • at 690 V for combination switch + gG fuse maximum       64 kA2         • at 690 V for combination switch + gG fuse maximum       64 kA2         design of the fuse link       64 fuse gL         • for short-circuit protection of the main circuit required       fuse gL         • for short-circuit protection of the auxiliary switch required       fuse gL         • operational current of upstream fuse rated value       100 A         according UL       100 A	s s /gG: 100 A
permissible       I2t value with closed switch         • at 240 V for combination switch + gG fuse maximum       64 kA2         • at 440 V for combination switch + gG fuse maximum       64 kA2         • at 690 V for combination switch + gG fuse maximum       64 kA2         • at 690 V for combination switch + gG fuse maximum       64 kA2         • at 690 V for combination switch + gG fuse maximum       64 kA2         • at 690 V for combination switch + gG fuse maximum       64 kA2         • at 690 V for combination switch + gG fuse maximum       64 kA2         • at 690 V for combination switch + gG fuse maximum       64 kA2         • at 690 V for combination switch + gG fuse maximum       64 kA2         • at 690 V for combination switch + gG fuse maximum       64 kA2         • at 690 V for combination switch + gG fuse maximum       64 kA2         • at 690 V for combination switch + gG fuse maximum       64 kA2         • at 690 V for combination switch + gG fuse maximum       64 kA2         • for short-circuit protection of the main circuit required       fuse gL         • for short-circuit protection of the auxiliary switch required       fuse gL         • operational current of upstream fuse rated value       100 A	s s /gG: 100 A
permissible       I2t value with closed switch         • at 240 V for combination switch + gG fuse maximum       64 kA2         • at 440 V for combination switch + gG fuse maximum       64 kA2         • at 690 V for combination switch + gG fuse maximum       64 kA2         • at 690 V for combination switch + gG fuse maximum       64 kA2         • at 690 V for combination switch + gG fuse maximum       64 kA2         • at 690 V for combination switch + gG fuse maximum       64 kA2         • design of the fuse link       64 kA2         • for short-circuit protection of the main circuit required       fuse gL         • for short-circuit protection of the auxiliary switch required       fuse gL         • operational current of upstream fuse rated value       100 A         according UL       00         operating voltage at AC at 50/60 Hz according to UL 508/UL       600 V         60947-4-1 rated value       600 V	s s /gG: 100 A
permissible       I2t value with closed switch         • at 240 V for combination switch + gG fuse maximum       64 kA2         • at 440 V for combination switch + gG fuse maximum       64 kA2         • at 440 V for combination switch + gG fuse maximum       64 kA2         • at 690 V for combination switch + gG fuse maximum       64 kA2         • at 690 V for combination switch + gG fuse maximum       64 kA2         • at 690 V for combination switch + gG fuse maximum       64 kA2         design of the fuse link       64 fuse gL         • for short-circuit protection of the main circuit required       fuse gL         • for short-circuit protection of the auxiliary switch required       fuse gL         • operational current of upstream fuse rated value       100 A         according UL       00         operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1       100 A         600 V       600 V         60947-4-1 rated value       600 V         active power [hp] at AC at 480 V according to UL 508/UL 60       60         60947-4-1 rated value       60	s s /gG: 100 A
permissible       I2t value with closed switch         • at 240 V for combination switch + gG fuse maximum       64 kA2         • at 440 V for combination switch + gG fuse maximum       64 kA2         • at 490 V for combination switch + gG fuse maximum       64 kA2         • at 690 V for combination switch + gG fuse maximum       64 kA2         • at 690 V for combination switch + gG fuse maximum       64 kA2         • at 690 V for combination switch + gG fuse maximum       64 kA2         • at 690 V for combination switch + gG fuse maximum       64 kA2         • at 690 V for combination switch + gG fuse maximum       64 kA2         • design of the fuse link       64 kA2         • for short-circuit protection of the main circuit required       fuse gL         • for short-circuit protection of the auxiliary switch required       fuse gL         • operational current of upstream fuse rated value       100 A         according UL       00         operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1       100 A         600 V       600 V         60947-4-1 rated value       600 V         active power [hp] at AC at 480 V according to UL 508/UL       60	s s /gG: 100 A

UL 508/UL 60947-4-1	
continuous current of upstream fuse according to UL rated	200 A
value	
type of fuse according to UL	RK5
Connections	
AWG number as coded connectable conductor cross section solid maximum	
	1
•	12
type of connectable conductor cross-sections for copper	
conductor	
• solid	1x (450mm²)
<ul> <li>finely stranded with core end processing</li> </ul>	1x (435mm²)
stranded	1x (450mm²)
type of connectable conductor cross-sections for auxiliary contacts	
• solid	lateral auxiliary switch 2x (0,75 2,5mm <sup>2</sup> ), 1x 4mm <sup>2</sup> ; front auxiliary switch 1x (0,75 2,5mm <sup>2</sup> )
<ul> <li>finely stranded with core end processing</li> </ul>	lateral auxiliary switch 2x (0,75 1,5mm <sup>2</sup> ), 1x 2,5mm <sup>2</sup> ; front auxiliary switch 1x 2,5mm <sup>2</sup>
• stranded	lateral auxiliary switch 2x (0,75 2,5mm <sup>2</sup> ), 1x 4mm <sup>2</sup> ; front auxiliary switch 1x (0,75 2,5mm <sup>2</sup> )
type of electrical connection	
for main current circuit	box terminal
for auxiliary contacts	connection terminals
Mechanical Design	
height	107 mm
width	90 mm
depth	112.5 mm
type of device	fixed mounting Built-in unit fixed-mounted version
_ fastening method fastening method	Built-In unit fixed-mounted version
4-hole front mounting	Yes
<ul> <li>front mounting with central attachment</li> </ul>	No
rail mounting	No
net weight	492.7 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
CCC EG-Konf.	UL VDE
General Product Approval Marine / Ship	oping other
Miscellaneous FMF <u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u>	Llovds <u>Miscellaneous</u> <u>Confirmation</u>
	Kegister
DNV	LRS
Environment	
Livitonment	
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#### 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=3LD2704-0TK51

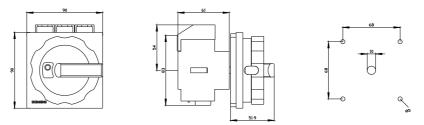
- Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
- https://support.industry.siemens.com/cs/ww/en/ps/3LD2704-0TK51

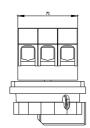
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3LD2704-0TK51

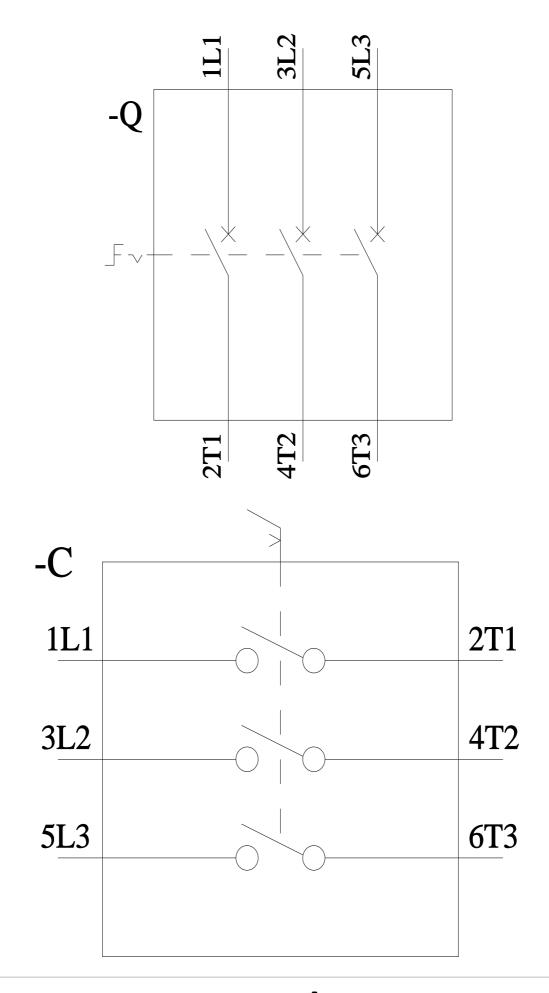
- CAx-Online-Generator
- http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications







#### last modified:

6/20/2023 🖸

12/22/2024