SIEMENS

Data sheet

3LD2714-0TK53



SENTRON, Switch disconnector 3LD, emergency switching-off switch, 3- pole, lu: 100 A, operating power / at AC-23 A 400 V: 37 kW, floor mounting with door coupling, rotary operating mechanism, Red / yellow, 4-hole mounting of the handle

Model		
product brand name	SENTRON	
product designation	Switch disconnector	
design of the product	EMERGENCY-STOP switch	
display version for switch position indicator manual operation	1 ON - 0 OFF	
type of switch	Floor mounting with door coupling	
design of the actuating element	Short rotary knob	
color of the actuating element	red	
design of handle	rotary operating mechanism, red/yellow	
type of the driving mechanism motor drive	No	
General technical data		
number of poles	3	
size of switch disconnector	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	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	
• at AC-21 A at 440 V rated value	100 A	

• all AL-23 A #1 40 V field value 10 A • all AL-23 A #1 20 V field value 15 kW • all AL-23 A #1 20 V field value 37 KW • all AL-23 A #1 20 V field value 37 KW • all AL-23 A #1 20 V field value 37 KW • all AL-23 A #1 20 V field value 37 KW • all AL-23 A #1 20 V field value 30 KW • all AL-23 A #1 20 V field value 30 KW • all AL-23 A #1 20 V field value 30 KW • all AL-23 A #1 20 V field value 30 KW • all AL-33 A #1 20 V field value 30 KW • all AL-33 A #1 20 V field value 30 KW • all AL-33 A #1 20 V field value 30 KW • all AL-33 A #1 20 V field value 30 KW • all AL-33 A #1 20 V field value 30 KW • all AL-33 A #1 20 V field value 30 KW • all AL-33 A #1 20 V field value 50 V • all AL-33 A #1 20 V field value 50 V • all AL-33 A #1 20 V field value 50 V • all AL-33 A #1 20 V field value 50 V • all AL-33 A #1 20 V field value 50 V • all AL-33 A #1 20 V field value 50 V • all AL-33 A #1 20 V field value 50 V • all AL-33 A #1 20 V field value 50 V • all AL-33 A #1 20 V field value 50 V • all AL-30 V		
• • • • • • • • • • • • • • • • • • •	at AC-23 A at 400 V rated value	70 A
•• AA C-3 A 34 400 Y rade Value9 Y W•• at AC-3 A 34 400 Y rade Value30 KW•• at AC-3 A 4100 Y rade Value30 KW•• at AC-3 at 400 Y rade Value0•• at AC-3 at 400 Y rade Value50 Y•• at AC-3 at 400 Y rade ValueYes•• at AC-3 at 500 YYes•• at AC-3 at 500 YYes•		40 5 100
• at AC-23 A at 440 Vinder value91 WW• at AC-23 A at 40 Vinder value91 SW• at AC-23 At 400 Vinder value185 SW• at AC-3 at 400 Vinder value30 KW• at AC-3 at 400 Vinder value30 KW• at AC-3 at 600 Vinder value30 KW• at AC-3 at 600 Vinder value0• at AC-33 at 600 Vinder value0• at AC-33 at 600 Vinder value00 Vinder value• at AC-33 at 600 Vinder value500 Vinder value• attability for use avails switch net value500 Vinder value• attability for use avails switchYes• attability for use avails switchNo• attability f		
• • A -C - 23 A : 150 V ratic value20 NV• • ± A - C - 3 at 260 V ratic value20 NV• • ± A - C - 3 at 260 V ratic value20 NV• • ± A - C - 3 at 260 V ratic value20 NV• • ± A - C - 3 at 260 V ratic value20 NV• • t - A - C - 3 at 260 V ratic value0• • ranker of C - Contacts for auxiliary contacts0• number of N - Contacts for auxiliary contacts0• ontacts of auxiliary contact at 4 - C - Maximum500 V• entrop of N - Contacts for auxiliary contact at 4 - Maximum500 V• entrop of N - Contacts for auxiliary contact at 4 - Maximum500 V• entrop of N - Contacts for auxiliary contact at 4 - Maximum500 V• entrop - MaximumYes• entrop - MaximumNa• entrop - MaximumSol• entrop -		
• at AC-3 at 240 Y rated value 18.5 kW • at AC-3 at 240 Y rated value 22 kW Auxiliary circuit 22 kW number of Cootnets for auxiliary contects 0 0 number of NC contects for auxiliary contects 0 0 operating voltage of auxiliary contects at AC maximum 500 V 0 operating voltage of auxiliary contect at AC maximum 500 V 0 operating voltage of auxiliary contect at AC maximum 500 V 0 operating voltage of auxiliary contect at AC maximum 500 V 0 operating voltage of auxiliary contect at AC maximum 500 V 0 operating voltage of auxiliary contect at AC maximum 500 V 0 operating voltage of auxiliary contect at AC maximum 500 V 0 operating voltage of auxiliary contect at AC maximum 500 V 0 operating voltage of auxiliary contect Yes 0 operating voltage of auxiliary contect at AC Maximum Yes 0 operating voltage of auxiliary contect at AC Maximum Yes 0 operating voltage voltage of auxiliary contect at AC Maximum No 0 operating voltage voltage voltage voltage No 0 operating voltage v		
• 1 AC 3 at 400 Y rate value30 W• 2 AV 32 SWA value y ALC 3 at 600 Y rate value0number of X Contacts for auxiliary contacts0number of X Contacts for auxiliary contacts0pumber of X Contacts for auxiliary contacts0Continuous current of the auxiliary contacts0Continuous current of the auxiliary contact at AC maximu500 VContinuous current of the auxiliary south rated value500 VSuitability for use main switchYesSuitability for use switch disconnectorYesSuitability for use safety switchYesSuitability for use naintenanceirepair switchYesProduct Satistion optionalNosuitability for use safety switchSisuitability for use safety switchSisuitability for use safety switchSisuitability for use contacts for auxiliary contactSisuitability for use		
• at AG-3 at 690 V rated value 22 kW Auxiliary circuit 0 number of Coordites for auxiliary contects 0 number of NC contects for auxiliary contects at AG maximum 500 V continuous current of the auxiliary contect at AG maximum 500 V continuous current of the auxiliary contect at AG walue 500 V suitability for use anian switch Yes product dating optional		
Auxiliary circuit 0 number of CC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 operating voltage of auxiliary contacts at AC anainum 500 V continuous current of the auxiliary contact rated value 500 V subability for use main switch 10 A subability for use switch disconnector Yes subability for use switch disconnector Yes subability for use safted switch Yes subability for use safted switch Yes subability for use safted switch Yes product databus Yes subability for use safted switch Yes subability for use safted switch Yes product databus Yes subability for use safted switch Yes subability for use safted switch Yes subability for use safted switch Yes subability for use maintonancorepair switch No number of Connectable ND contacts for auxiliary contacts at at abbit maximum So number of connectable ND contacts for auxiliary contacts at at abbit maximum So number of		
number of CO contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts at 0 0 operating voltage of auxiliary contacts at AC maximum 500 V continuous current of the auxiliary contacts at AC maximum 500 V subability for use nains witch 9e subability for use and in witch Yes subability for use and in the OFF position Yes product dualitie Yes product dualitie No product dualitie No product dualitie No product dualitie No umber of contacts for auxiliary contacts 3 and other backs 4		ZZ KVV
number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts at AC maximum 500 V continuous current of the auxiliary contact rated value 10 A insulability for use mains witch rated value 500 V suitability for use switch disconnector Yes suitability for use switch disconnector Yes suitability for use switch disconnector Yes suitability for use safter switch Yes sumber of connectable		2
number of NO contacts for auxiliary contacts at AC maximum 60 operating voltage of auxiliary contacts at AC maximum 500 V continuous current of the auxiliary contacts at AC maximum 500 V insulation voltage of the auxiliary switch rated value 500 V suitability for use mains marched Yes suitability for use maintenance/repair switch Yes autability for use safety switch Yes product actures do into OFF position Yes product actures into position Yes autability for use safety switch Yes product actures into position Yes autability for use safety switch Yes product actures into position Yes autability for use safety switch Yes product actures into position Yes autability for use safety switch Yes autability for use safety switch Yes autability contacts for auxiliary contacts for auxiliary contacts 3 autab		
operating voitage of auxiliary contacts at AC maximum 500 V continuous current of the auxiliary contact rated value 10 A isulation voitage of the auxiliary soutch rated value 500 V Suitability Suitability for use main avtich Yes suitability for use switch disconnector Yes Yes suitability for use safety switch Yes Yes product detailes Yes Yes product detailes No Yes ordination disconnectable NC contacts for auxiliary contacts 3 3 number of connectable NC contacts for auxiliary contacts 5 1 attachabil maximum 4 8 1 hasp thickness of the bracket lock 4 8 1 soutability contacts for auxiliary contacts 5 1 1 outbor of bracket lock maximum 4 8 1 1 1 souto	· · · · · · · · · · · · · · · · · · ·	
continuous current of the auxiliary contact rated value 10 A insuiation voltage of the auxiliary soutch rated value 500 V suitability for use mains writch Yes suitability for use switch disconnector Yes suitability for use maintenance/repair switch Yes product feature can be locked into OFF position Yes arcostration optional res product toxtnsion optional No • woltage trigger No • under of one No • woltage trigger No number of connectable NC contacts for auxiliary contacts 3 attachable maximum 3 number of connectable OC contacts for auxiliary contacts 5 attachable maximum 3 number of connectable OC contacts for auxiliary contacts 5 attachable maximum 3 number of connectable OC contacts for auxiliary contacts 5 attachable maximum 3 <	·	
insulation volage of the audiary switch rated value Suitability for use main switch Suitability for use switch disconnector Suitability for use switch Suitability for use main for use main switch Suitability		
Suitability Yes suitability for use switch disconnector Yes suitability for use selfets switch Yes suitability for use safety switch No number of connectable Not Contacts for auxiliary contacts 3 autability for use safety switch State statchable maximum 3 nasthicknosed switch	÷.	
suitability for use main switch Yes suitability for use switch disconnector Yes suitability for use safety switch Yes suitability for use maintennance/repair switch Yes Product details Yes product feature can be locked into CFF positon Yes Product details Yes product details No unbor of connectable NC contacts for auxiliary contacts 3 number of connectable NC contacts for auxiliary contacts 5 number of connectable NC contacts for auxiliary contacts 0 attachable maximum 3 number of connectable CC contacts for auxiliary contacts 0 contacts for auxiliary contacts 0 contacts for auxiliary contacts 10 attachable maximum 3 number of connectable CC contacts for auxiliary contacts 5 contact als bhot-circuit current with line-side fuse 0 conditional short-circuit current with line-side fuse 50 kA let-through current with line-side fuse maximum 10 kA • at 260 V for combination switch + gG fuse maximum 10 kA <td< td=""><td>· ·</td><td>500 V</td></td<>	· ·	500 V
suitability for use switch disconnector Yes suitability for use safely switch Yes suitability for use safely switch Yes suitability for use safely switch Yes product details Product details product stature can be locked into CFF position Yes accessories No product extension optional No • motor drive No • ontor drive No • ontor drive No • notor drive No • notor drive No • notor drive No number of connectable NC contacts for auxiliary contacts 3 attachable maximum 0 number of connectable NC contacts for auxiliary contacts 5 ettachable maximum 3 number of connectable NC contacts for auxiliary contacts 4 & mm statchable maximum 10 number of connectable NC contacts for auxiliary contacts 5 ettachable maximum 10 kA statchable maximum 10 kA nut dev V for combination switch + gG fuse maximum		
suitability for use BMERGENCY OFF switch Yes suitability for use andreance/ropalr switch Yes product details No - motor drive No - wolding trigger No number of connectable NC contacts for auxiliary contacts 3 number of connectable NC contacts for auxiliary contacts 5 number of connectable NC contacts for auxiliary contacts 3 number of connectable NC contacts for auxiliary contacts 3 number of bracket locks maximum 3 number of connectable NC contacts for auxiliary contacts 50 kA soft circuit 50 kA soft circuit 50 kA soft circuit 50 kA soft circuit 50 kA soft circuit current with line-side fuse 50 kA soft circuit 10 kA soft circuit current with soft fuse maximum 10 kA soft circuit current with sof	• · · · · · · · · · · · · · · · · · · ·	
suitability for use safety switch Yes suitability for use maintenance/repair switch Yes product detairs ************************************		
suitability for use maintenance/repair switch Yes Product data Freduct data product extension optional Yes accessories No or motor drive No outget rigger No number of connectable NC contacts for auxiliary contacts 3 attachable maximum 5 number of connectable NO contacts for auxiliary contacts 0 attachable maximum 3 number of bracket locks maximum 3 contactable maximum 3 contactable maximum 3 conditional short-circuit current with line-side fuse 50 kA protectifon 50 kA ettathable maximum 10 kA ettationable not witch + QG fuse maximum 10 kA ettationable not witch + QG fuse maximum 10 kA ettationable not witch + QG fuse maximum 10 kA ettationable not witch + QG fuse maximum 10 kA ettationable not witch + QG fuse maximum 10 kA ettationable not witch + QG fuse maximum 10 kA ettationable not witch + QG fuse maximum 10 kA <td>· · · · · · · · · · · · · · · · · · ·</td> <td></td>	· · · · · · · · · · · · · · · · · · ·	
Product details Yes product details Yes accessprise ************************************		
product feature can be locked into OFF position Yes accessories		Tes
accessories Product extension optional No • motor drive No • unable of connectable NC contacts for auxiliary contacts 3 number of connectable NC contacts for auxiliary contacts 3 number of connectable OC contacts for auxiliary contacts 5 attachable maximum 0 number of connectable CO contacts for auxiliary contacts 0 attachable maximum 3 number of connectable CO contacts for auxiliary contacts 0 attachable maximum 3 number of bracket locks 4 8 mm Short circuit 5 conditional short-circuit current with line-side fuse protection 6 • at 260 V by GG fuse rated value 50 kA elt-through current with closed switch 9G fuse maximum • at 420 V for combination switch + gG fuse maximum 10 kA • at 420 V for combination switch + gG fuse maximum 10 kA • at 420 V for combination switch + gG fuse maximum 64 kA2.s • at 420 V for combination switch + gG fuse maximum 64 kA2.s • at 420 V for combination switch + gG fuse maximum 64 kA2.s • at 420 V for combination switch + gG fuse maximum 64 kA2.s • at 420 V for combination switch + gG fuse maximum 64 kA2.s • at 630 V for combination switch + gG fuse maximum		
product extension optional No • motor drive No • voltage trigger No number of connectable NC contacts for auxillary contacts attachable maximum 3 number of connectable NO contacts for auxillary contacts attachable maximum 5 number of connectable CO contacts for auxillary contacts attachable maximum 3 number of bracket locks maximum 3 hasp thickness of the bracket locks 4 8 mm Short circuit 50 kA conditional short-circuit current with line-side fuse protection 50 kA et 4tooy by gG fuse rated value 50 kA let through current with closed switch 10 kA • at 240 V for combination switch + gG fuse maximum ermissite 10 kA 12t value with closed switch + et 3240 V for combination switch + gG fuse maximum et 440 V for combination switch + gG fuse maximum et 440 V for combination switch + gG fuse maximum et 440 V for combination switch + gG fuse maximum et 440 V for combination switch + gG fuse maximum et 440 V for combination switch + gG fuse maximum et 440 V for combination switch + gG fuse maximum et 440 V for combination switch + gG fuse maximum et 440 V for combination switch + gG fuse maximum et 440 V for combination switch + gG fuse maximum et 440 V for combination switch + gG fuse maximum et 440 V for combination switch + gG fuse maximum et 440 V for combination switch + gG fuse maximum et 440 V for combination switch + gG fuse maximum et 440 V for combination switch + gG fuse maximum et 440 V for combination switch + gG fuse maximum et 440 V for combination switch + gG fu	· · ·	Yes
• motor driveNo• voltage triggerNonumber of connectable NC contacts for auxiliary contacts3attachable maximum5number of connectable NC contacts for auxiliary contacts5number of connectable CO contacts for auxiliary contacts0number of connectable CO contacts for auxiliary contacts0number of connectable CO contacts for auxiliary contacts0number of bracket locks maximum3nasp thickness of the bracket locks48 mmShort circuit50 kAconditional short-circuit current with line-side fuse50 kAletthrough current with closed switch10 kA• at 690 V by gG fuse rated value50 kAletthrough current with closed switch10 kA• at 240 V for combination switch + gG fuse maximum10 kA• at 240 V for combination switch + gG fuse maximum10 kA• at 240 V for combination switch + gG fuse maximum64 kA2.s• at 240 V for combination switch + gG fuse maximum64 kA2.s• at 240 V for combination switch + gG fuse maximum64 kA2.s• at 240 V for combination switch + gG fuse maximum64 kA2.s• at 240 V for combination switch + gG fuse maximum64 kA2.s• at 240 V for combination switch + gG fuse maximum64 kA2.s• at 240 V for combination switch + gG fuse maximum64 kA2.s• at 240 V for combination switch + gG fuse maximum64 kA2.s• at 240 V for combination switch + gG fuse maximum64 kA2.s• for short-circuit protection of the auxiliary switch requiredfu		
• voltage triggerNonumber of connectable NC contacts for auxiliary contacts attachable maximum3number of connectable NO contacts for auxiliary contacts attachable maximum5number of connectable CO contacts for auxiliary contacts attachable maximum0number of bracket locks maximum3hasp thickness of the bracket locks48 mmShort circuit50 kAconditional short-circuit current with line-side fuse protection50 kAi at 690 V by gG fuse rated value50 kAi 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 be fuse gL/GG: 100 Aaccording ULfor short-circuit protection of the maxiliary switch required tor short-circuit protection of the maxiliary switch required tor short-circuit protection of the auxiliary switch required tor see gL/GG: 100 Aaccording ULfoor short-circuit protection of the auxiliary switch required tor short-circuit pro		
number of connectable NC contacts for auxiliary contacts attachable maximum 3 number of connectable NO contacts for auxiliary contacts attachable maximum 5 number of connectable CO contacts for auxiliary contacts attachable maximum 0 number of bracket locks maximum 3 hasp thickness of the bracket locks 48 mm Short circuit 50 kA conditional short-circuit current with line-side fuse protection 50 kA et at 600 V by gG fuse rated value 50 kA let-through current with closed switch 10 kA e at 600 V for combination switch + gG fuse maximum 10 kA e at 600 V for combination switch + gG fuse maximum 10 kA e at 400 V for combination switch + gG fuse maximum 64 kA2.s e at 400 V for combination switch + gG fuse maximum 64 kA2.s e at 690 V for combination switch + gG fuse maximum 64 kA2.s e at 690 V for combination switch + gG fuse maximum 64 kA2.s e at 690 V for combination switch + gG fuse maximum 64 kA2.s e at 690 V for combination switch + gG fuse maximum 64 kA2.s e at 690 V for combination switch + gG fuse maximum 64 kA2.s e at 690 V for combination switch + gG fuse maximum 64 kA2.s		
attachable maximum Image: space		
attachable maximum Image: of connectable CO contacts for auxiliary contacts attachable maximum 0 number of bracket locks maximum 3 hasp thickness of the bracket locks 48 mm Short circuit Conditional short-circuit current with line-side fuse protection e at 690 V by gG fuse rated value 50 kA let-through current with closed switch - e at 240 V for combination switch + gG fuse maximum 10 kA e at 690 V by GG fuse rated value 10 kA e at 240 V for combination switch + gG fuse maximum 10 kA e at 440 V for combination switch + gG fuse maximum 10 kA e at 240 V for combination switch + gG fuse maximum 64 kA2.s e at 240 V for combination switch + gG fuse maximum 64 kA2.s e at 240 V for combination switch + gG fuse maximum 64 kA2.s e at 690 V for combination switch + gG fuse maximum 64 kA2.s e at 690 V for combination switch + gG fuse maximum 64 kA2.s e design of the fuse link - e for short-circuit protection of the main circuit required fuse gL/gG: 100 A for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A operational	attachable maximum	
attachable maximum3number of bracket locks maximum3hasp thickness of the bracket locks4 8 mmShort circuitconditional short-circuit current with line-side fuse protection• at 680 V by gG fuse rated value50 kAlet-through current with closed switch50 kA• at 240 V for combination switch + gG fuse maximum10 kA• at 240 V for combination switch + gG fuse maximum10 kA• at 240 V for combination switch + gG fuse maximum10 kA• at 240 V for combination switch + gG fuse maximum10 kA• at 240 V for combination switch + gG fuse maximum64 kA2.s• at 240 V for combination switch + gG fuse maximum64 kA2.s• at 240 V for combination switch + gG fuse maximum64 kA2.s• at 240 V for combination switch + gG fuse maximum64 kA2.s• at 690 V for combination switch + gG fuse maximum64 kA2.s• at 690 V for combination switch + gG fuse maximum64 kA2.s• at 690 V for combination switch + gG fuse maximum64 kA2.s• at 690 V for combination switch + gG fuse maximum64 kA2.s• at 690 V for combination switch + gG fuse maximum64 kA2.s• at 690 V for combination switch + gG fuse maximum64 kA2.s• at 690 V for combination switch + gG fuse maximum64 kA2.s• at 690 V for combination switch + gG fuse maximum64 kA2.s• at 690 V for combination switch + gG fuse maximum64 kA2.s• at 690 V for combination switch + gG fuse maximum60 V• at 690 V for combination switch + gG fuse maximum60 V<		
hasp thickness of the bracket locks 4 8 mm Short circuit conditional short-circuit current with line-side fuse protection 50 kA et 160 V by gG fuse rated value 50 kA let-through current with closed switch 50 kA et 240 V for combination switch + gG fuse maximum 10 kA et 440 V for combination switch + gG fuse maximum 10 kA et 440 V for combination switch + gG fuse maximum 10 kA et 440 V for combination switch + gG fuse maximum 10 kA et 600 V for combination switch + gG fuse maximum 10 kA et 240 V for combination switch + gG fuse maximum 64 kA2.s et 240 V for combination switch + gG fuse maximum 64 kA2.s et 690 V for combination switch + gG fuse maximum 64 kA2.s design of the fuse link 6 et 690 V for combination switch + gG fuse maximum 64 kA2.s operational current of upstream fuse rated value 100 A operational current of upstream fuse rated value 100 A operational current at AC according to UL 508/UL 60947.4-1 100 A operational current at AC according to UL 508/UL 60947.4-1 100 A operational current at AC at 50/60 Hz according to UL 508/UL 60947.4-1 600 V <	•	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 50 kA • at 240 V for combination switch + gG fuse maximum 10 kA • at 240 V for combination switch + gG fuse maximum 10 kA • at 690 V for combination switch + gG fuse maximum 10 kA • at 690 V for combination switch + gG fuse maximum 10 kA • at 240 V for combination switch + gG fuse maximum 64 kA2.s • at 240 V for combination switch + gG fuse maximum 64 kA2.s • at 240 V for combination switch + gG fuse maximum 64 kA2.s • at 690 V for combination switch + gG fuse maximum 64 kA2.s • at 690 V for combination switch + gG fuse maximum 64 kA2.s • at 690 V for combination switch + gG fuse maximum 64 kA2.s • at 690 V for combination switch + gG fuse maximum 64 kA2.s • for short-circuit protection of the main circuit required fuse gL/gG: 100 A • for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A • for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A • operational current at AC according to UL 508/UL 600 V cotve power [number of bracket locks maximum	
conditional short-circuit current with line-side fuse protection50 kAlet-through current with closed switch50 kAe at 240 V for combination switch + gG fuse maximum10 kA• at 440 V for combination switch + gG fuse maximum10 kA• at 490 V for combination switch + gG fuse maximum10 kA• at 490 V for combination switch + gG fuse maximum10 kA• at 240 V for combination switch + gG fuse maximum10 kA• at 240 V for combination switch + gG fuse maximum64 kA2.s• at 240 V for combination switch + gG fuse maximum64 kA2.s• at 240 V for combination switch + gG fuse maximum64 kA2.s• at 240 V for combination switch + gG fuse maximum64 kA2.s• at 690 V for combination switch + gG fuse maximum64 kA2.s• at 690 V for combination switch + gG fuse maximum64 kA2.s• at 690 V for combination switch + gG fuse maximum64 kA2.s• at 690 V for combination switch + gG fuse maximum64 kA2.s• at 690 V for combination switch + gG fuse maximum64 kA2.s• at 690 V for combination switch + gG fuse maximum64 kA2.s• for short-circuit protection of the main circuit requiredfuse gL/gG: 100 A• for short-circuit protection of the auxiliary switch required100 A• according UL000 A• according to UL 508/UL600 V• operational current at AC according to UL 508/UL 60947-4-1 rated value600 V• active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value60• active power [hp] at AC at 480 V according to UL 508/UL 600		4 8 mm
protection 50 kA i at 690 V by gG fuse rated value 50 kA let-through current with closed switch 50 kA • 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 • at 240 V for combination switch + gG fuse maximum 10 kA • at 240 V for combination switch + gG fuse maximum 64 kA2.s • at 240 V for combination switch + gG fuse maximum 64 kA2.s • at 440 V for combination switch + gG fuse maximum 64 kA2.s • at 690 V for combination switch + gG fuse maximum 64 kA2.s • at 690 V for combination switch + gG fuse maximum 64 kA2.s • at 690 V for combination switch + gG fuse maximum 64 kA2.s • at 690 V for combination switch + gG fuse maximum 64 kA2.s • for short-circuit protection of the main circuit required fuse gL/gG: 100 A • for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A • operational current at AC according to UL 508/UL 600 V 60947-4-1 rated value 600 V 60947-4-1 rated value 600 V 60947-4-1 rated value 60 </td <td>Short circuit</td> <td></td>	Short circuit	
let-through current with closed switch10 kA• at 240 V for combination switch + gG fuse maximum10 kA• at 440 V for combination switch + gG fuse maximum10 kA• at 690 V for combination switch + gG fuse maximum10 kA• at 690 V for combination switch + gG fuse maximum10 kA• at 240 V for combination switch + gG fuse maximum64 kA2.s• at 240 V for combination switch + gG fuse maximum64 kA2.s• at 440 V for combination switch + gG fuse maximum64 kA2.s• at 690 V for combination switch + gG fuse maximum64 kA2.s• at 690 V for combination switch + gG fuse maximum64 kA2.s• at 690 V for combination switch + gG fuse maximum64 kA2.s• at 690 V for combination switch + gG fuse maximum64 kA2.s• design of the fuse linkfuse gL/gG: 100 A• for short-circuit protection of the main circuit requiredfuse gL/gG: 10 A• operational current of upstream fuse rated value100 Aaccording UL100 Aoperation current at AC according to UL 508/UL600 V60947-4-1 rated value60active power [hp] at AC at 480 V according to UL 508/UL6060947-4-1 rated value75		
• at 240 V for combination switch + gG fuse maximum10 kA• at 440 V for combination switch + gG fuse maximum10 kA• at 690 V for combination switch + gG fuse maximum10 kA• at 690 V for combination switch + gG fuse maximum10 kA• at 240 V for combination switch + gG fuse maximum64 kA2.s• at 440 V for combination switch + gG fuse maximum64 kA2.s• at 690 V for combination switch + gG fuse maximum64 kA2.s• at 690 V for combination switch + gG fuse maximum64 kA2.s• at 690 V for combination switch + gG fuse maximum64 kA2.s• at 690 V for combination switch + gG fuse maximum64 kA2.s• at 690 V for combination switch + gG fuse maximum64 kA2.s• at 690 V for combination switch + gG fuse maximum64 kA2.s• at 690 V for combination switch + gG fuse maximum64 kA2.s• at 690 V for combination switch + gG fuse maximum64 kA2.s• for short-circuit protection of the main circuit requiredfuse gL/gG: 100 A• for short-circuit protection of the auxiliary switch requiredfuse gL/gG: 10 A• operational current at AC according to UL 508/UL 60947-4-1100 Aaccording UL600 V• operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1600 V60947-4-1 rated value60active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value60active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value75	 at 690 V by gG fuse rated value 	50 kA
• at 440 V for combination switch + gG fuse maximum permissible10 kA• at 690 V for combination switch + gG fuse maximum permissible10 kA 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 64 kA2.s64 kA2.s• at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • for short-circuit protection of the main circuit required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • fuse gL/gG: 100 A100 Aaccording UL • operational current at AC according to UL 508/UL • 60947-4-1 rated value100 Aactive power [hp] at AC at 480 V according to UL 508/UL • 60947-4-1 rated value60active power [hp] at AC at 600 V according to UL 508/UL • 60947-4-1 rated value75	let-through current with closed switch	
• at 690 V for combination switch + gG fuse maximum permissible10 kA12t value with closed switch-• at 240 V for combination switch + gG fuse maximum64 kA2.s• at 440 V for combination switch + gG fuse maximum64 kA2.s• at 690 V for combination switch + gG fuse maximum64 kA2.s• at 690 V for combination switch + gG fuse maximum64 kA2.s• at 690 V for combination switch + gG fuse maximum64 kA2.s• design of the fuse link-• for short-circuit protection of the main circuit requiredfuse gL/gG: 100 A• for short-circuit protection of the auxiliary switch requiredfuse gL/gG: 10 A• operational current of upstream fuse rated value100 Aaccording UL-operational current at AC according to UL 508/UL 60947-4-1 rated value100 Aoperating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value600 Vactive power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value75	-	
permissibleI2t value with closed switch• at 240 V for combination switch + gG fuse maximum64 kA2.s• at 440 V for combination switch + gG fuse maximum64 kA2.s• at 690 V for combination switch + gG fuse maximum64 kA2.s• design of the fuse link64 kA2.s• for short-circuit protection of the main circuit requiredfuse gL/gG: 100 A• for short-circuit protection of the auxiliary switch requiredfuse gL/gG: 100 A• for short-circuit protection of the auxiliary switch required100 Aaccording UL100 Aoperational current at AC according to UL 508/UL 60947-4-1600 Voperating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value600 Vactive power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value75	-	
• at 240 V for combination switch + gG fuse maximum64 kA2.s• at 440 V for combination switch + gG fuse maximum64 kA2.s• at 690 V for combination switch + gG fuse maximum64 kA2.sdesign of the fuse link64 kA2.s• for short-circuit protection of the main circuit requiredfuse gL/gG: 100 A• for short-circuit protection of the auxiliary switch requiredfuse gL/gG: 10 A• operational current of upstream fuse rated value100 Aaccording UL100 A• operational current at AC according to UL 508/UL 60947-4-1600 V• operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value600 Vactive power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value60active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value75		10 kA
 at 440 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum 64 kA2.s 64 kA2.s 64 kA2.s 64 kA2.s 65 khort-circuit protection of the main circuit required for short-circuit protection of the auxiliary switch required for short-circuit protec	I2t value with closed switch	
• at 690 V for combination switch + gG fuse maximum64 kA2.sdesign of the fuse linkfuse gL/gG: 100 A• for short-circuit protection of the main circuit requiredfuse gL/gG: 100 A• for short-circuit protection of the auxiliary switch requiredfuse gL/gG: 10 A• operational current of upstream fuse rated value100 Aaccording UL• operational current at AC according to UL 508/UL 60947-4-1100 A• operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value600 V• operating voltage at AC at 480 V according to UL 508/UL 60947-4-1 rated value600 F• active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value600 F• active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value600 F• active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value600 F• active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value75	0	64 kA2.s
design of the fuse linkfuse gL/gG: 100 A• for short-circuit protection of the main circuit requiredfuse gL/gG: 10 A• for short-circuit protection of the auxiliary switch requiredfuse gL/gG: 10 Aoperational current of upstream fuse rated value100 Aaccording ULoperational current at AC according to UL 508/UL 60947-4-1operating voltage at AC at 50/60 Hz according to UL 508/UL600 V60947-4-1 rated value600 Vactive power [hp] at AC at 480 V according to UL 508/UL60active power [hp] at AC at 600 V according to UL 508/UL75	-	
 for short-circuit protection of the main circuit required fuse gL/gG: 100 A for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A operational current of upstream fuse rated value 100 A according UL operational current at AC according to UL 508/UL 60947-4-1 rated value operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 600 V active power [hp] at AC at 480 V according to UL 508/UL 60 active power [hp] at AC at 600 V according to UL 508/UL 60 active power [hp] at AC at 600 V according to UL 508/UL 60 active power [hp] at AC at 600 V according to UL 508/UL 60 active power [hp] at AC at 600 V according to UL 508/UL 60 active power [hp] at AC at 600 V according to UL 508/UL 60 active power [hp] at AC at 600 V according to UL 508/UL 60 active power [hp] at AC at 600 V according to UL 508/UL 60 		64 kA2.s
 for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A operational current of upstream fuse rated value 100 A according UL operational current at AC according to UL 508/UL 60947-4-1 rated value operating voltage at AC at 50/60 Hz according to UL 508/UL 600 V 600 V 600 V 600 V 600 47-4-1 rated value active power [hp] at AC at 480 V according to UL 508/UL 60 active power [hp] at AC at 600 V according to UL 508/UL 508/UL 60 active power [hp] at AC at 600 V according to UL 508/UL 60 active power [hp] at AC at 600 V according to UL 508/UL 60 	-	
operational current of upstream fuse rated value 100 A according UL 0 operational current at AC according to UL 508/UL 60947-4-1 100 A rated value 600 V operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 600 V active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value 600 V active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value 60 active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value 75		
according UL operational current at AC according to UL 508/UL 60947-4-1 100 A rated value 00 V 600 V operating voltage at AC at 50/60 Hz according to UL 508/UL 600 V active power [hp] at AC at 480 V according to UL 508/UL 60 active power [hp] at AC at 600 V according to UL 508/UL 60 active power [hp] at AC at 600 V according to UL 508/UL 60 active power [hp] at AC at 600 V according to UL 508/UL 75		
operational current at AC according to UL 508/UL 60947-4-1 100 A rated value 100 A operating voltage at AC at 50/60 Hz according to UL 508/UL 600 V 60947-4-1 rated value 600 V active power [hp] at AC at 480 V according to UL 508/UL 60 active power [hp] at AC at 600 V according to UL 508/UL 60 active power [hp] at AC at 600 V according to UL 508/UL 75		100 A
rated value 600 V operating voltage at AC at 50/60 Hz according to UL 508/UL 600 V 60947-4-1 rated value 600 V active power [hp] at AC at 480 V according to UL 508/UL 60 active power [hp] at AC at 600 V according to UL 508/UL 60 active power [hp] at AC at 600 V according to UL 508/UL 75		
60947-4-1 rated value 60 active power [hp] at AC at 480 V according to UL 508/UL 60 60947-4-1 rated value 75	rated value	
60947-4-1 rated value 75 active power [hp] at AC at 600 V according to UL 508/UL 75 60947-4-1 rated value 75	60947-4-1 rated value	
60947-4-1 rated value	60947-4-1 rated value	60
short-time withstand current (SCCR) at 600 V according to 10 kA	60947-4-1 rated value	75
	about time, withotoph a summent (CCCD) at COOV according to	10 kA

UL 508/UL 60947-4-1	
continuous current of upstream fuse according to UL rated	200 A
value	
type of fuse according to UL	RK5
Connections	
AWG number as coded connectable conductor cross section solid maximum	
•	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 2,5mm ²), 1x 4mm ² ; front auxiliary switch 1x (0,75 2,5mm ²)
 finely stranded with core end processing 	lateral auxiliary switch 2x (0,75 1,5mm ²), 1x 2,5mm ² ; front auxiliary switch 1x 2,5mm ²
• stranded	lateral auxiliary switch 2x (0,75 2,5mm ²), 1x 4mm ² ; front auxiliary switch 1x (0,75 2,5mm ²)
type of electrical connection	
• for main current circuit	box terminal
 for auxiliary contacts 	connection terminals
Mechanical Design	
height	106 mm
width	90 mm
depth	470.5 mm
type of device	fixed mounting
fastening method	Built-in unit fixed-mounted version
fastening method	Voc
4-hole front mounting front mounting with control attachment	Yes No
 front mounting with central attachment rail mounting 	Yes
net weight	743 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
ec-kon.	UL VDE
General Product Approval Marine / Shipp	oing other
Miscellaneous CDC 👬	Lloyds <u>Miscellaneous</u> <u>Confirmation</u>
	register
DNV	LRS
Environment	
Environmental Con- firmations firmations	

Further information

Information on the packaging

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

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

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

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3LD2714-0TK53

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3LD2714-0TK53

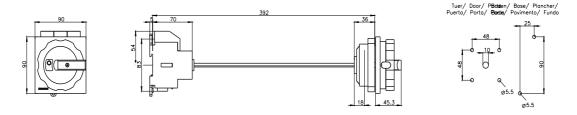
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2714-0TK53

CAx-Online-Generator

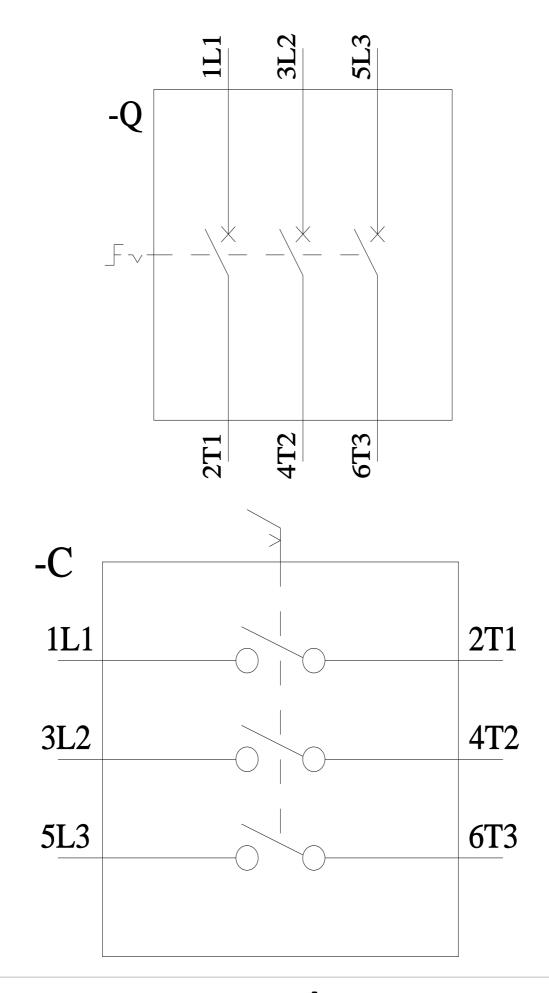
http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications







last modified:

6/20/2023 🖸