SIEMENS

Data sheet

3LD2254-1TL51



SENTRON, Switch disconnector 3LD, main switch, 4-pole, lu: 32 A, Operating power / at AC-23 A at 400 V: 11.5 kW, front-mounted, rotary operating mechanism, black, central mounting 22.5 mm of the handle

Model				
product brand name	SENTRON			
product designation	3LD Switch disconnector			
design of the product	Main switch			
display version / for switch position indicator manual operation	1 ON - 0 OFF			
type of switch	front mounted			
design of the actuating element	Short rotary knob			
color / of the actuating element	black			
design of handle	rotary operating mechanism, black			
type of the driving mechanism / motor drive	No			
General technical data				
number of poles	4			
size of switch disconnector	2			
mechanical service life (switching cycles) / typical	100 000			
electrical endurance (switching 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	1.8 W			
Current				
operational current / rated value	32 A			
operational current				
	32 A			

• et A 55 °C / rated value 32 A main circuit 32 A operational current 32 A • et A C2 / 1 4 80 V / rated value 32 A • et A C2 / 1 A 1 43 00 V / rated value 32 A • et A C2 / 1 A 1 43 00 V / rated value 32 A • et A C2 3 / at 40 0V / rated value 32 A • et A C2 3 / at 40 0V / rated value 32 A • et A C2 3 / at 40 0V / rated value 32 A • et A C2 3 / at 40 0V / rated value 15 KW • et A C2 3 / at 400 V / rated value 15 KW • et A C2 3 / at 400 V / rated value 15 KW • et A C2 3 / at 400 V / rated value 5 KW • et A C2 3 / at 400 V / rated value 5 KW • et A C2 3 / at 400 V / rated value 5 KW • et A C2 3 / at 60 V / rated value 5 KW • et A C2 3 / at 60 V / rated value 9 KW • et A C2 3 / at 60 V / rated value 9 KW • et A C2 3 / at 60 V / rated value 9 KW • et A C2 3 / at 60 V / rated value 9 KW • et A C2 3 / at 60 V / rated value 9 KW • et A C2 3 / at 60 V / rated value 9 KW • et A C2 3 / at 60 V / rated value 9 KW • et A C2 3 / at 60 V / rated value 9 KW • et A C2 3 / at 60 V / rated value 9 KW • et A C	 at 50 °C / rated value 	32 A
• at AC / rated value 32 A Main circuit operational current • at AC-21 / at 600 V / rated value 32 A • at AC-21 / at 600 V / rated value 32 A • at AC-21 / A rated v / rated value 32 A • at AC-21 / A rated v / rated value 32 A • at AC-23 / A rated v / rated value 32 A • at AC-23 / at 440 V / rated value 22 A operating power • • at AC-23 / rated v / rated value 6 KW • at AC-33 / rated v / rated value 15 KW • at AC-33 / rated v / rated value 15 KW • at AC-33 / rated v / rated value 15 KW • at AC-31 / rated value 10 A • at		
Main circuit operational current 32.A • at AC-21 / at 800 V / rated value 32.A • at AC-21 / at 800 V / rated value 32.A • at AC-21 / at 800 V / rated value 32.A • at AC-21 / at 800 V / rated value 32.A • at AC-23 / at 400 V / rated value 32.A • at AC-23 / at 240 V / rated value 52.A • at AC-23 / at 240 V / rated value 6.KW • at AC-23 / at 240 V / rated value 15.KW • at AC-33 / at 400 V / rated value 15.KW • at AC-33 / at 400 V / rated value 5.KW • at AC-31 / at 600 V / rated value 5.KW • at AC-31 / at 600 V / rated value 10.KW • at AC-31 / at 600 V / rated value 5.KW • at AC-31 / at 600 V / rated value 10.KW • at AC-31 / at 600 V / rated value 10.KW • at AC-31 / at 600 V / rated value 10.KW • at AC-31 / at 600 V / rated value 50.W • at AC-31 / at 600 V / rated value 50.W • at AC-31 / for auxillary contacts 0 • number of NC contacts / for auxillary contacts 0.W c		
operational current 32 A • af AC-21 A / af 420 V / rated value 32 A • af AC-21 A / af 420 V / rated value 32 A • af AC-21 A / af 440 V / rated value 32 A • af AC-21 A / af 440 V / rated value 32 A • af AC-23 A / af 440 V / rated value 32 A • af AC-23 A / af 440 V / rated value 52 A • af AC-23 A / af 440 V / rated value 15 kW • af AC-3 A / af 440 V / rated value 15 kW • af AC-3 A / af 440 V / rated value 15 kW • af AC-3 / af 440 V / rated value 15 kW • af AC-3 / af 440 V / rated value 15 kW • af AC-3 / af 440 V / rated value 15 kW • af AC-3 / af 440 V / rated value 16 A • af AC-3 / af 440 V / rated value 10 A • af AC-3 / af 440 V / rated value 10 A • af AC-3 / af 440 V / rated value 10 A • af AC-3 / af 440 V / rated value 10 A • af AC-3 / af 440 V / rated value 10 A • af AC-3 / af 440 V / rated value 10 A • af AC-3 / af 440 V / rated value 10 A • af AC-3 / af 440 V / rated value 10		
• at AC-21 / at 680 V / rated value 32 A • at AC-21 A / at 400 V / rated value 32 A • at AC-21 A / at 400 V / rated value 32 A • at AC-23 A / at 400 V / rated value 32 A • at AC-23 A / at 400 V / rated value 32 A • at AC-23 A / at 400 V / rated value 52 A • at AC-23 A / at 400 V / rated value 6 kW • at AC-23 A / at 400 V / rated value 15 kW • at AC-31 A / at 400 V / rated value 15 kW • at AC-31 A / at 400 V / rated value 15 kW • at AC-31 A / at 400 V / rated value 15 kW • at AC-31 A / at 400 V / rated value 15 kW • at AC-31 at 400 V / rated value 15 kW • at AC-31 at 400 V / rated value 16 kW • at AC-31 at 400 V / rated value 16 kW • at AC-31 at 400 V / rated value 16 kW • at AC-31 at 400 V / rated value 16 kW • at AC-31 at 600 V / rated value 10 kW • at AC-31 at 600 V / rated value 10 kW • at AC-31 at 600 V / rated value 10 kW • at AC-31 at 600 V / rated value 10 A rumber of Co contacts / for auxilary contact / rated value 500 V Subability 10 A insultion values of the auxilary contact / rated value 500 V Subability 1		
• at AC-21 A / at 400 // rated value 32 A • at AC-21 A / at 440 // rated value 32 A • at AC-23 A / at 400 // rated value 32 A • at AC-23 A / at 400 // rated value 32 A • at AC-23 A / at 400 // rated value 12 KW • at AC-23 A / at 400 // rated value 12 KW • at AC-23 A / at 400 // rated value 12 KW • at AC-33 / at 400 // rated value 12 KW • at AC-33 / at 400 // rated value 15 KW • at AC-31 / at 500 // rated value 15 KW • at AC-31 / at 500 // rated value 5 KW • at AC-31 / at 500 // rated value 5 KW • at AC-31 / at 500 // rated value 0 • at AC-31 / at 500 // rated value 0 • at AC-31 / at 500 // rated value 0 • at AC-31 / at 500 // rated value 0 • at AC-31 / at 500 // rated value 0 • at AC-31 / at 500 // rated value 0 • at AC-31 / at 500 // rated value 0 • at AC-31 / at 500 // rated value 0 • at AC-31 / at 500 // rated value 0 • at AC-31 / at 500 // rated value 0 • at AC-31 / rate avaliary contacts // rated value 5	•	22 A
et AC-21 A / at 440 V / rated value 32 A et AC-21 A / at 440 V / rated value 32 A operating power 32 A et AC-23 A / at 440 V / rated value 32 A et AC-23 A / at 440 V / rated value 12 kW et AC-23 A / at 440 V / rated value 12 kW et AC-23 A / at 440 V / rated value 12 kW et AC-23 A / at 440 V / rated value 12 kW et AC-23 A / at 400 V / rated value 12 kW et AC-23 A / at 400 V / rated value 12 kW et AC-23 A / at 400 V / rated value 12 kW et AC-3 / at 400 V / rated value 12 kW et AC-3 / at 400 V / rated value 10 kW et AC-3 / at 400 V / rated value 10 kW et AC-3 / at 600 V / rated value 10 kW et AC-3 / at 600 V / rated value 10 kW rumber of NC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 operating value / for auxiliary contacts 00 V contacts / for auxiliary contacts 00 V contacts / for auxiliary contacts 00 V contacts / for auxiliary contacts 00 V suthability for use • • maintenance/regit witch Yes • maintenance/regit witch Yes • product dature / can be lo		
• et AC-23 A / at 400 V / rated value 22 A operating power 6 kW • at AC-23 A / at 20 V / rated value 12 kW • at AC-23 A / at 40 V / rated value 12 kW • at AC-23 A / at 40 V / rated value 12 kW • at AC-23 A / at 400 V / rated value 12 kW • at AC-33 / at 400 V / rated value 55 kW • at AC-3 / at 400 V / rated value 55 kW • at AC-3 / at 400 V / rated value 9 kW • at AC-3 / at 400 V / rated value 9 kW • at AC-3 / at 400 V / rated value 9 kW • at AC-3 / at 400 V / rated value 9 kW • at AC-3 / at 400 V / rated value 9 kW • at AC-3 / at 400 V / rated value 0 A number of CO contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 ordinuise auxiliary contacts / at AC / maximum 500 V contacts / for auxiliary contacts 0 insulation voltage / of the auxiliary contacts / at AC 10 A insulation voltage / of the auxiliary contacts 0 esthety bifty for use • • main switch		
operating power et AC-23 A / at 240 V / rated value 6 et AC-23 A / at 440 V / rated value 12 kW et AC-23 A / at 440 V / rated value 12 kW et AC-23 A / at 40 V / rated value 12 kW et AC-23 A / at 40 V / rated value 12 kW et AC-23 A / at 40 V / rated value 55 kW et AC-3 / at 260 V / rated value 55 kW et AC-3 / at 260 V / rated value 95 kW 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 the auxiliary contacts 0 operating voltage / of the auxiliary contacts / for auxiliary contacts 0 operating voltage / of the auxiliary contact / rated value 500 V Sutiability sutiability for use • • main switch Yes • • safely switch Yes • Product feature / can be locked into OFF position Yes recessories Ves • intability for use No No • wolot for work		
a A C-23 A / at 240 V / rated value 6 kW a A C-23 A / at 400 V / rated value 12 kW a A C-23 A / at 400 V / rated value 15 kW a A C-23 A / at 400 V / rated value 15 kW a A C-23 / at 240 V / rated value 5 kW a A C-23 / at 400 V / rated value 5 kW a A C-3 / at 400 V / rated value 10 kW a A C-3 / at 600 V / rated value 9.5 kW Auxilary circuit 0 number of CO contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 operating voltage / of auxiliary contacts / rated value 500 V continuus current / of the auxiliary contacts / rated value 500 V suitability for use 90 V • aviation voltage / of the auxiliary contacts / rated value 500 V suitability for use Yes • aviation voltage / of the auxiliary sortich / rated value 500 V suitability for use Yes • aviation voltage / of auxiliary contacts / rated value 500 V suitability for use Yes • aviation voltage / of the auxiliary contacts 7 • aviation voltage / of the auxiliary contacts No • aviation voltage / of the auxiliary contacts No • aviation voltage / of the auxiliary contacts No		22 R
		6 kW
• at AC-3 / at 240 V / rated value 5.5 kW • at AC-3 / at 240 V / rated value 10 kW • at AC-3 / at 3600 V / rated value 9.5 kW Auxiliary circuit 0 number of NC contacts / for auxiliary contacts 0 operating voltage / of auxiliary contacts 0 operating voltage / of auxiliary contacts 0 operating voltage / of auxiliary contacts / transitium 500 V Continuous current / of the auxiliary contact / rated value 500 V Subtability 500 V Subtability 90 V suitability for use 90 V • main switch Yes • switch disconnector Yes • switch disconnector Yes • switch disconnector Yes • addressinich Yes Product detatils No product feature / can be locked into OFF position Yes eccessories No product extension / optional No • motor of role No • voltage tigget No • uotage tigget No		
• at AC-3 / at 690 V / rated value 9.5 kW Auxiliary circuit Immber of C0 contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 0 operating voltage / of auxiliary contact / at AC / maximum 500 V 0 continuous surrent / of the auxiliary contact / rated value 10 A 10 insulation voltage / of the auxiliary contact / rated value 500 V 500 V Suitability for use • • • • witch disconnector Yes • • • maintenance/repair switch Yes • • Product datails • • • • product extension / optional • • • • • • • • • • • • <t< td=""><td>• at AC-3 / at 400 V / rated value</td><td>10 kW</td></t<>	• at AC-3 / at 400 V / rated value	10 kW
number of CO contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 operating voltage / of auxiliary contacts 0 operating voltage / of auxiliary contacts 0 insulation voltage / of the auxiliary contacts 0 insulation voltage / of the auxiliary contact / rated value 10 A insulation voltage / of the auxiliary contact / rated value 500 V suitability 9 suitability 9 suitability 9 suitability 9 suitability switch Yes • switch disconnector Yes • safety switch Yes • analtenance/repair switch Yes Product feature / can be locked into OFF position Yes accessories No product extension / optional No • notor drive No • oldage tinger No number of connectable NC contacts / for auxiliary contacts 1 number of connectable NC contacts / for auxiliary contacts 1 number of connectable CO contacts / for auxiliary contacts <td< td=""><td></td><td></td></td<>		
number of CO contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 operating voltage / of auxiliary contacts 0 operating voltage / of auxiliary contacts 0 insulation voltage / of the auxiliary contacts 0 insulation voltage / of the auxiliary contact / rated value 10 A insulation voltage / of the auxiliary contact / rated value 500 V suitability 9 suitability 9 suitability 9 suitability 9 suitability switch Yes • switch disconnector Yes • safety switch Yes • analtenance/repair switch Yes Product feature / can be locked into OFF position Yes accessories No product extension / optional No • notor drive No • oldage tinger No number of connectable NC contacts / for auxiliary contacts 1 number of connectable NC contacts / for auxiliary contacts 1 number of connectable CO contacts / for auxiliary contacts <td< td=""><td></td><td></td></td<>		
number of NC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 operating voltage / of auxiliary contact / At C / maximum 500 V ontinuous current / of the auxiliary contact / rated value 500 V insulation voltage / of the auxiliary switch / rated value 500 V Suitability 500 V suitability for use 10 A • enain switch Yes • switch disconnector Yes • enainennec/repair switch Yes • enainennec/repair switch Yes • enainennec/repair switch Yes product details Product details product details No voltage rigger No number of connectable NC contacts / for auxiliary contacts 1 / attachable / maximum No number of connectable NC contacts / for auxiliary contacts 1 / attachable / maximum 1 number of connectable NC contacts / for auxiliary contacts 1 / attachable / maximum 3 number of connectable NC contacts / for auxiliary contacts 1 / attachable / maximum 3 number of connectable NC contacts / for auxiliary contacts 1 number of connectable NO contacts / for auxiliary contacts 1		0
number of NO contacts / for auxiliary contacts 0 operating voltage / of auxiliary contacts / at AC / maximum 500 V continuous current / of the auxiliary switch / rated value 500 V Suitability 500 V		
operating voltage / of auxiliary contacts / at AC / maximum 500 V continuous current / of the auxiliary contacts / rated value 10 A insulation voltage / of the auxiliary switch / rated value 500 V Suitability 500 V		
continuous current / of the auxiliary contact / rated value 10 A insulation voltage / of the auxiliary switch / rated value 500 V Suitability suitability suitability suitability suitability for use Yes • main switch Yes • switch disconnector Yes • ENERCENCY OFF switch No • safety switch Yes Product discalls Yes product feature / can be locked into OFF position Yes Product discalls Yes product extension / optional No • woltage trigger No number of connectable NC contacts / for auxiliary contacts 1 / attachable / maximum 1 number of connectable NC contacts / for auxiliary contacts 0 / attachable / maximum 3 number of bracket locks / maximum 3 number of bracket locks / maximum 3 hasp thickness / of the bracket locks 4 8 mm Short circuit Go // for combination switch + gG fuse / e at 690 V / by cg fuse / rated value 50 kA ietHrough current / with line-side fuse 50 kA ietUrough current / with closed switch 4.5 kA e at 400 V / for combination switch + gG fuse / 5 kA <td></td> <td></td>		
insulation voltage / of the auxiliary switch / rated value 500 V Suitability suitability for use • main switch Yes • switch disconnector Yes • switch disconnector Yes • safety switch Yes • maintenance/repair switch Yes Product details		
Suitability suitability suitability for use • main switch • switch disconnector Yes • EMERGENCY OFF switch No • safety switch Yes product feature / can be locked into OFF position Yes product feature / can be locked into OFF position Yes product feature / can be locked into OFF position Yes product extension / optional • motor drive • otage trigger number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of bracket locks / maximum number of bracket locks / maximum short circuit conditional short-circuit current / with line-side fuse protection • at 260 V / by gG fuse / rated value 12t value / with closed switch • at 240 V / for combination switch + gG fuse / maximum • at 240 V / for combination switch + gG fuse /		
suitability for use Yes • main switch Yes • EMERGENCY OFF switch No • safety switch Yes • maintenance/repair switch Yes Product details product feature / can be locked into OFF position product feature / can be locked into OFF position Yes accessories product feature / can be locked into OFF position 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 1 / attachable / maximum 1 number of connectable CO contacts / for auxiliary contacts 1 / attachable / maximum 3 number of connectable CO contacts / for auxiliary contacts 1 / attachable / maximum 3 number of bracket locks 4 8 mm Short circuit 50 kA enditional short-circuit current / with line-side fuse protection 4.5 kA • at 490 V / for combination switch + gG fuse / maximum 4.5 kA • at 490 V / for combination switch + gG fuse / maximum 5 kA • at 490 V / for combination switch + gG fuse / maximum 5 kA • at 690 V / for combination switch + g		
• main switch Yes • switch disconnector Yes • switch disconnector Yes • EMERGENCY OFF switch No • safety switch Yes • maintenance/repair switch Yes Product details		
 switch disconnector Yes EMERGENCY OFF switch safety switch realintenance/repair switch Yes 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 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 attachable / maximum bast ptickness / of the bracket locks a 8 mm bast discontent / with closed switch at 690 V / by gG fuse / rated value 50 kA let-through current / with closed switch at 690 V / for combination switch + gG fuse / maximum at 690 V / for combination switch + gG fuse / maximum at 690 V / for combi	-	Yes
• EMERGENCY OFF switch No • safety switch Yes • maintenance/repair switch Yes Product details		
maintenance/repair switch Yes Product details product feature / can be locked into OFF position Accessories product extension / optional motor drive voltage trigger No voltage trigger No number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of connectable NC contacts / for auxiliary contacts / attachable / maximum show of bracket locks / maximum a 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 50 kA • 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 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 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 f	EMERGENCY OFF switch	
maintenance/repair switch Yes Product datails product feature / can be locked into OFF position Accessories product extension / optional motor drive voltage trigger No voltage trigger No number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of connectable NO contacts / for auxiliary contacts / attachable / maximum number of connectable NO contacts / for auxiliary contacts / attachable / maximum number of connectable NO contacts / for auxiliary contacts / attachable / maximum number of connectable NO contacts / for auxiliary contacts / attachable / maximum number of bracket locks / for auxiliary contacts / attachable / maximum contactable CO contacts / for auxiliary contacts / attachable / maximum summer of bracket locks / maximum aution of bracket locks / maximum aution conditional short-circuit current / with line-side fuse protection e at 690 V / by gG fuse / rated value so kA let-through current / with closed switch e at 240 V / for combination switch + gG fuse / maximum e at 690 V / for combination switch + gG fuse / maximum at 240 V / for combination switch + gG fuse / maximum at 240 V / for combination switch + gG fuse / maximum at 240 V / for combination switch + gG fuse / maximum at 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 betage protection at 240 V / for combination switch + gG fuse / maximum betage protection at 240 V / for combination switch + gG fuse / maximum betage protection at 240 V / for combination switch + gG fuse / maximum betage protection betage protection betage protection betage protection betage protection betage protection betage betage protection betage be		
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 1 / attachable / maximum 1 number of connectable NO contacts / for auxiliary contacts 1 / attachable / maximum 1 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 connectable CO contacts / for auxiliary contacts 0 / attachable / maximum 3 nabs thickness / of the bracket locks 4 8 mm Short circuit conditional short-circuit current / with line-side fuse conditional short-circuit urrent / with line-side fuse 50 kA let-through current / with closed switch 4.5 kA • at 240 V / for combination switch + gG fuse / 4.5 kA maximum 4.1 40 V / for combination switch + gG fuse / 5 kA Izt value / with closed switch 5 kA	 safety switch 	Yes
product feature / can be locked into OFF position Yes accessories Product extension / optional No • motor drive No • number of connectable NC contacts / for auxiliary contacts 1 / attachable / maximum 1 number of connectable NC contacts / for auxiliary contacts 1 / attachable / maximum 1 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 connectable CO contacts / for auxiliary contacts 0 / attachable / maximum 3 number of bracket locks / maximum 3 hasp thickness / of the bracket locks 4 8 mm Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by G fuse / rated value 50 kA let-through current / with closed switch 4.5 kA • at 240 V / for combination switch + gG fuse / maximum 5 kA maximum permissible 5 kA Izt value / with closed switch 5 kA • at 240 V / for combination switch + gG fuse	-	
accessories product extension / optional • motor drive No • voltage trigger No number of connectable NC contacts / for auxiliary contacts 1 / attachable / maximum 1 number of connectable NO contacts / for auxiliary contacts 1 / attachable / maximum 0 number of connectable CO contacts / for auxiliary contacts 0 / attachable / maximum 3 number of bracket locks / maximum 3 hasp thickness / of the bracket locks 4 8 mm Short circuit 50 kA let-through current / with line-side fuse protection 50 kA e at 690 V / by gG fuse / rated value 50 kA let-through current / with closed switch 4.5 kA • at 440 V / for combination switch + gG fuse / maximum 4.5 kA • at 440 V / for combination switch + gG fuse / maximum 5 kA · at 690 V / by combination switch + gG fuse / maximum 5 kA · at 440 V / for combination switch + gG fuse / maximum 5 kA · at 690 V / for combination switch + gG fuse / maximum permissible 5 kA L2t value / with closed switch 9 kA2.s	maintenance/repair switch	
product extension / optional No • motor drive No • voltage trigger No number of connectable NC contacts / for auxiliary contacts 1 / attachable / maximum 1 number of connectable NO contacts / for auxiliary contacts 1 / attachable / maximum 0 number of connectable CO contacts / for auxiliary contacts 0 / attachable / maximum 3 number of bracket locks / maximum 3 hasp thickness / of the bracket locks 4 8 mm Short circuit 50 kA let-through current / with line-side fuse protection 50 kA let-through current / with closed switch 45 kA • at 690 V / for combination switch + gG fuse / maximum 4.5 kA • at 440 V / for combination switch + gG fuse / maximum 50 kA let.through current / with closed switch 4.5 kA • at 440 V / for combination switch + gG fuse / maximum 5 kA lat 440 V / for combination switch + gG fuse / maximum 5 kA ittackable 5 kA	maintenance/repair switch Product details	Yes
• motor drive No • voltage trigger No number of connectable NC contacts / for auxiliary contacts 1 number of connectable NC contacts / for auxiliary contacts 1 number of connectable CO contacts / for auxiliary contacts 1 number of connectable CO contacts / for auxiliary contacts 0 / attachable / maximum 3 number of bracket locks / 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 e at 690 V / by gG fuse / rated value 50 kA let-through current / with closed switch 4.5 kA • at 440 V / for combination switch + gG fuse / maximum 4.5 kA • at 440 V / for combination switch + gG fuse / maximum 5 kA • at 440 V / for combination switch + gG fuse / maximum 5 kA • at 440 V / for combination switch + gG fuse / maximum 5 kA • at 440 V / for combination switch + gG fuse / maximum 5 kA • at 440 V / for combination switch + gG fuse / maximum 5 kA ide 00 V / for combination switch + gG fuse / maximum<	maintenance/repair switch Product details product feature / can be locked into OFF position	Yes
number of connectable NC contacts / for auxiliary contacts 1 / attachable / maximum 1 number of connectable NO contacts / for auxiliary contacts 1 / attachable / maximum 0 number of connectable CO contacts / for auxiliary contacts 0 / attachable / maximum 3 number of bracket locks / maximum 3 hasp thickness / of the bracket locks 4 8 mm Short circuit 50 kA eonditional short-circuit current / with line-side fuse protection 50 kA e at 690 V / by gG fuse / rated value 50 kA let-through current / with closed switch 4.5 kA • at 240 V / for combination switch + gG fuse / maximum 4.5 kA • at 440 V / for combination switch + gG fuse / maximum emissible 5 kA l2t value / with closed switch 5 kA • at 240 V / for combination switch + gG fuse / maximum emissible 5 kA	maintenance/repair switch Product details product feature / can be locked into OFF position accessories	Yes
number of connectable NC contacts / for auxiliary contacts 1 / attachable / maximum 1 number of connectable NO contacts / for auxiliary contacts 1 / attachable / maximum 0 number of connectable CO contacts / for auxiliary contacts 0 / attachable / maximum 3 number of bracket locks / maximum 3 hasp thickness / of the bracket locks 4 8 mm Short circuit 50 kA eonditional short-circuit current / with line-side fuse protection 50 kA e at 690 V / by gG fuse / rated value 50 kA let-through current / with closed switch 4.5 kA • at 240 V / for combination switch + gG fuse / maximum 4.5 kA • at 440 V / for combination switch + gG fuse / maximum emissible 5 kA l2t value / with closed switch 5 kA • at 240 V / for combination switch + gG fuse / maximum emissible 5 kA	maintenance/repair switch Product details product feature / can be locked into OFF position accessories product extension / optional	Yes Yes
/ attachable / maximum 1 number of connectable NO contacts / for auxiliary contacts / attachable / maximum 1 number of connectable CO contacts / for auxiliary contacts / attachable / maximum 0 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 let-through current / with closed switch 4.5 kA • at 440 V / for combination switch + gG fuse / maximum 4.5 kA • at 440 V / for combination switch + gG fuse / maximum 5 kA i 2t value / with closed switch 5 kA i 2t value / with closed switch 5 kA	maintenance/repair switch Product details product feature / can be locked into OFF position accessories product extension / optional motor drive	Yes Yes No
/ attachable / maximum 0 number of connectable CO contacts / for auxiliary contacts 0 / attachable / maximum 3 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 50 kA let-through current / with closed switch 4.5 kA • at 240 V / for combination switch + gG fuse / maximum 4.5 kA • at 440 V / for combination switch + gG fuse / maximum 5 kA i at 690 V / by combination switch + gG fuse / maximum 5 kA • at 690 V / for combination switch + gG fuse / maximum 9 kA2.s	maintenance/repair switch Product details product feature / can be locked into OFF position accessories product extension / optional motor drive voltage trigger	Yes Yes No No
/ attachable / maximum 3 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 50 kA let-through current / with closed switch 4.5 kA • at 240 V / for combination switch + gG fuse / maximum 4.5 kA • at 440 V / for combination switch + gG fuse / maximum 5 kA I2t value / with closed switch 5 kA2.s	maintenance/repair switch Product details product feature / can be locked into OFF position accessories product extension / optional emotor drive evoltage trigger number of connectable NC contacts / for auxiliary contacts	Yes Yes No No
number of bracket locks / maximum 3 hasp thickness / of the bracket locks 4 8 mm Short circuit	maintenance/repair switch Product details product feature / can be locked into OFF position accessories product extension / optional emotor drive evoltage trigger number of connectable NC contacts / for auxiliary contacts / attachable / maximum number of connectable NO contacts / for auxiliary contacts	Yes Yes No No 1
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 50 kA let-through current / with closed switch 4.5 kA • at 240 V / for combination switch + gG fuse / maximum 4.5 kA • at 440 V / for combination switch + gG fuse / maximum 50 kA 12t value / with closed switch 5 kA 12t value / with closed switch 9 kA2.s	 maintenance/repair switch Product details product feature / can be locked into OFF position accessories 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 	Yes Yes No No 1 1
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 4.5 kA • at 240 V / for combination switch + gG fuse / maximum 4.5 kA • at 440 V / for combination switch + gG fuse / maximum 4.5 kA It to combination switch + gG fuse / maximum 50 kA • at 690 V / for combination switch + gG fuse / maximum 5 kA It value / with closed switch 5 kA l2t value / with closed switch 9 kA2.s	 maintenance/repair switch Product details product feature / can be locked into OFF position accessories 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 	Yes Yes No No 1 1 0
conditional short-circuit current / with line-side fuse protection50 kA• at 690 V / by gG fuse / rated value50 kAlet-through current / with closed switch • at 240 V / for combination switch + gG fuse / maximum4.5 kA• at 440 V / for combination switch + gG fuse / maximum4.5 kA• at 690 V / for combination switch + gG fuse / maximum5 kA• at 690 V / for combination switch + gG fuse / maximum permissible5 kAI2t value / with closed switch • at 240 V / for combination switch + gG fuse / 9 kA2.s9 kA2.s	 maintenance/repair switch Product details product feature / can be locked into OFF position accessories 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 connectable CO contacts / for auxiliary contacts / attachable / maximum number of bracket locks / maximum 	Yes Yes No No 1 1 0 3
• at 690 V / by gG fuse / rated value50 kAlet-through current / with closed switch • at 240 V / for combination switch + gG fuse / maximum4.5 kA• at 440 V / for combination switch + gG fuse / maximum4.5 kA• at 690 V / for combination switch + gG fuse / maximum permissible5 kAI2t value / with closed switch • at 240 V / for combination switch + gG fuse / maximum permissible5 kA	 maintenance/repair switch Product details product feature / can be locked into OFF position accessories 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 hasp thickness / of the bracket locks 	Yes Yes No No 1 1 0 3
let-through current / with closed switch • at 240 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / • at 440 V / for combination switch + gG fuse / • at 690 V / for combination switch + gG fuse / • at 690 V / for combination switch + gG fuse / • at 690 V / for combination switch + gG fuse / • at 690 V / for combination switch + gG fuse / • at 240 V / for combination switch + gG fuse / • at 240 V / for combination switch + gG fuse / • at 240 V / for combination switch + gG fuse / • at 240 V / for combination switch + gG fuse /	 maintenance/repair switch Product details product feature / can be locked into OFF position accessories 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 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 	Yes Yes No No 1 1 0 3
 at 240 V / for combination switch + gG fuse / 4.5 kA at 440 V / for combination switch + gG fuse / 4.5 kA at 690 V / for combination switch + gG fuse / 5 kA at 690 V / for combination switch + gG fuse / 5 kA I2t value / with closed switch at 240 V / for combination switch + gG fuse / 9 kA2.s 	 maintenance/repair switch Product details product feature / can be locked into OFF position accessories 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 / for auxiliary contacts / attachable / maximum number of bracket locks / maximum hasp thickness / of the bracket locks 	Yes Yes No No 1 1 0 3 4 8 mm
	 maintenance/repair switch Product details product feature / can be locked into OFF position accessories product extension / optional 	Yes Yes No No 1 1 0 3 4 8 mm
• at 690 V / for combination switch + gG fuse / maximum permissible 5 kA I2t value / with closed switch 5 kA • at 240 V / for combination switch + gG fuse / 9 kA2.s	 maintenance/repair switch Product details product feature / can be locked into OFF position accessories 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 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 let-through current / with closed switch at 240 V / for combination switch + gG fuse / 	Yes Yes No No 1 1 1 0 3 4 8 mm
I2t value / with closed switch • at 240 V / for combination switch + gG fuse / 9 kA2.s	 maintenance/repair switch Product details product feature / can be locked into OFF position accessories 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 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 let-through current / with closed switch at 240 V / for combination switch + gG fuse / maximum at 440 V / for combination switch + gG fuse / 	Yes Yes No No 1 1 1 0 3 4 8 mm
• at 240 V / for combination switch + gG fuse / 9 kA2.s	 maintenance/repair switch Product details product feature / can be locked into OFF position accessories 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 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 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 	Yes Yes No No 1 1 0 3 48 mm
	 maintenance/repair switch Product details product feature / can be locked into OFF position accessories 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 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 hasp thickness / of the bracket locks Short circuit conditional short-circuit current / with line-side fuse protection at 690 V / by gG fuse / rated value let-through current / with closed switch at 240 V / for combination switch + gG fuse / maximum at 440 V / for combination switch + gG fuse / maximum at 690 V / for combination switch + gG fuse / maximum 	Yes Yes No No 1 1 0 3 48 mm
at 440 V / for combination switch + gG fuse / 9 kA2.s	 maintenance/repair switch Product details product feature / can be locked into OFF position accessories 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 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 hasp thickness / of the bracket locks Short circuit conditional short-circuit current / with line-side fuse protection at 690 V / by gG fuse / rated value let-through current / with closed switch at 240 V / for combination switch + gG fuse / maximum at 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 	Yes Yes No No No 1 1 0 3 48 mm 50 kA 4.5 kA 4.5 kA 5 kA

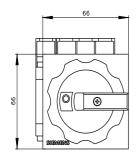
movimum	
maximum	0.442.0
 at 690 V / for combination switch + gG fuse / maximum 	9 kA2.s
design of the fuse link	
 for short-circuit protection of the main circuit / required 	fuse gL/gG: 40 A
 for short-circuit protection of the auxiliary switch / required 	fuse gL/gG: 10 A
operational current / of upstream fuse / rated value	40 A
according UL	
operational current / at AC / according to UL 508/UL	32 A
60947-4-1 / rated value	
operating voltage / at AC / at 50/60 Hz / 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	20
active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value	20
short-time withstand current (SCCR) / at 600 V / according to UL 508/UL 60947-4-1	5 kA
continuous current / of upstream fuse / according to UL / rated value	80 A
type of fuse / according to UL	RK5
Connections	
AWG number / as coded connectable conductor cross section / solid	
• maximum	8
• minimum	14
type of connectable conductor cross-sections / for copper conductor	
• solid	1x (1,516mm²)
 finely stranded / with core end processing 	1x (1,510mm²)
stranded	1x (1,516mm²)
type of connectable conductor cross-sections / for auxiliary contacts	
• solid	2x (0.75 2.5 mm²), 1x 4 mm²
 finely stranded / with core end processing 	2x (0.75 1.5 mm²), 1x 2.5 mm²
stranded	2x (0.75 2.5 mm²), 1x 4 mm²
type of electrical connection	
 for main current circuit 	box terminal
 for auxiliary contacts 	connection terminals
Mechanical Design	
height	83 mm
width	67 mm
depth	116.5 mm
type of device	fixed mounting
fastening method	Built-in unit fixed-mounted version
fastening method	
 4-hole front mounting 	No
 front mounting with central attachment 	Yes
rail mounting	No
net weight	242 g
Environmental conditions	
ambient temperature / during operation	
• minimum	-25 °C
• maximum	55 °C
ambient temperature / during storage	
• minimum	-25 °C
● maximum	55 °C
General Product Approval	

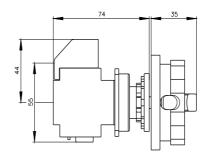
SP CSA	CCC	<u>Confirmation</u>		VDE	<u>Miscellaneous</u>		
General Product Approval	Declaration of Conf	ormity	Test Certificates	Marine / Shipping			
EHC	UK CA	CE EG-Konf.	Special Test Certific- ate	Lloyds Kegister us	DNV-GL		
other							
<u>Miscellaneous</u>	Environmental Con- firmations						
Further information							
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=3LD2254-1TL51 Service&Support (Manuals, Certificates, Characteristics, FAQs,)							
https://support.industry.siemens.com/cs/ww/en/ps/3LD2254-1TL51							
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams,) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2254-1TL51							

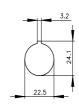
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2254-1TL51

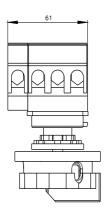
CAx-Online-Generator

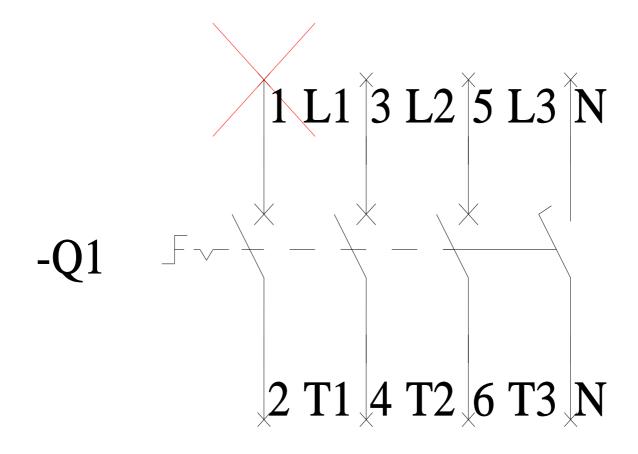
http://www.siemens.com/cax Tender specifications http://www.siemens.com/specifications

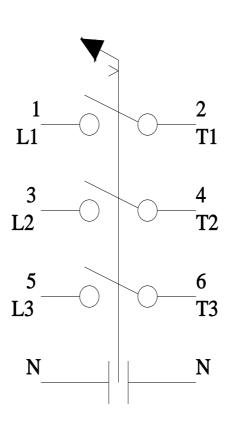












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