SIEMENS

Data sheet 3LD2254-0TK53



SENTRON, Switch disconnector 3LD, emergency switching-off switch, 3- pole, lu: 32 A, operating power / at AC-23 A 400 V: 11.5 kW, front-mounted, rotary operating mechanism, Red / yellow, central mounting 22.5 mm of the handle

Model		
product brand name	SENTRON	
product designation	Switch disconnector	
design of the product	EMERGENCY-STOP switch	
display version for switch position indicator manual operation	1 ON - 0 OFF	
type of switch	front mounted	
design of the actuating element	Short rotary knob	
color of the actuating element	red	
design of handle	rotary operating mechanism, red/yellow	
type of the driving mechanism motor drive	No	
General technical data		
number of poles	3	
size of switch disconnector	2	
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	1.8 W	
Main circuit		
operational current		
at AC-21 at 690 V rated value	32 A	
• at AC-21 A at 240 V rated value	32 A	
• at AC-21 A at 400 V rated value	32 A	
• at AC-21 A at 440 V rated value	32 A	

operating power * at AC-25 A at 240 V rated value * at AC-25 A at 240 V rated value * at AC-25 A at 400 V rated value * at AC-25 A at 400 V rated value * at AC-25 A at 400 V rated value * at AC-3 at 240 V rated value * at AC-3 at 260 V rated value * at AC-3 of a combination switch + gG fisse maximum * at AC-3 of a combination switch + gG fisse maximum * at AC-3 of a combination switch + gG fisse maximum * at AC-3 of a combination switch + gG fisse maximum * at AC-3 of a combination switch + gG fisse maximum * at AC-3 of a combination switch + gG fisse max	at AC-23 A at 400 V rated value	22 A
at IAC 23 A at 400 V Intol value 12 kW 1AC 23 A at 400 V Intol value 12 kW 1AC 23 A at 400 V Intol value 11 kW 1AC 23 A at 600 V rated value 15 kW 1AC 23 A at 600 V rated value 5 kW 1AC 24 A at 600 V rated value 5 kW 1AC 24 A at 600 V rated value 5 kW 1AC 24 A at 600 V rated value 5 kW 1AC 24 A at 600 V rated value 5 kW 1AC 24 A at 600 V rated value 10 kW 2AC 24 A at 600 V rated value 10 kW 2AC 24 A at 600 V rated value 10 kW 2AC 24 A at 600 V rated value 10 kW 2AC 24 A at 600 V rated value 10 kW 2AC 24 A at 600 V rated value 10 kW 2AC 24 A at 600 V rated value 10 kW 2AC 24 A at 600 V rated value 10 kW 2AC 24 A at 600 V rated value 10 kW 2AC 24 A at 600 V rated value 10 kW 2AC 24 A at 600 V rated value 10 kW 2AC 24 A at 600 V rated value 10 kW 2AC 24 A at 600 V rated value 10 kW 2AC 24 A at 600 V rated value 10 kW 2AC 24 A at 600 V rated value 10 kW 2AC 24 A at 600 V rated value 10 kW 2AC 24 A at 600 V rated value 10 kW 2AC 24 A at 600 V rated value 10 kW 2AC 24 A at 600 V rated value 10 kW 2AC 24 A at 600 V rated value 24 A at 600 V rated va		
and AC-23 A at 4400 V rided value bit AC-23 A at 4500 V rided value cit AC-23 A at 4500 V rided value cit AC-33 A 300 V rided value continuous current of the auxiliary contacts continuous current of the auxiliary contacts continuous current of the auxiliary sentich rated value cultability for use exitien disconnector yes cultabilit		6 kW
and AC-23 A at 440 V rated value at AC-23 A at 440 V rated value at AC-23 A at 450 V rated value at AC-23 A at 450 V rated value be at AC-3 at 450 V rated va		
e at AC-33 at 4500 V rated value 5.5 kW 1 AC-3 at 2400 V rated value 5.5 kW 1 AC-3 at 2400 V rated value 9.9 kW 1 AC-3 at 2400 V rated value 9.9 kW 1 AC-3 at 2400 V rated value 9.9 kW 1 AC-3 at 2400 V rated value 9.9 kW 1 AC-3 at 2400 V rated value 9.9 kW 1 AC-3 at 2400 V rated value 0.0 According value of CO contacts for auxiliary contacts 0.0 According of AC-2 at 2400 V rated value 1 AC-2		1 2
and AC-3 at 400 V risid value and AC-3 at 400 V risid value and AC-3 at 500 V risid value and AC-3 at 500 V risid value and ADVISING V risid value and ADVISING V risid value Description of Contracts for auxiliary contacts Outside of No. Inumber of NC contacts for auxiliary contacts Outside of NC contacts for auxiliary contacts Operating voltage of auxiliary contacts at AC maximum Soou V Continuous current of the auxiliary contact at AC maximum Soou V Suriability for use main switch Suriability for use main switch Yes suitability for use ewitch disconnector Yes suitability for use safety switch Yes suitability for use maintenance/repair switch Yes suitability for use maintenance/repair switch Yes suitability for use safety switch Yes suitability for use maintenance/repair switch Yes suitability for use maintenance/repair switch Yes suitability for use maintenance/repair switch Yes product detaulic and be looked into OFF position Yes Considerable maximum and the content of the AC Contacts for auxiliary contacts attachable maximum anumber of Connectable NC Contacts for auxiliary contacts attachable maximum anumber of Connectable NC Contacts for auxiliary contacts attachable maximum 3 has ptickness of the bracket locks 48 mm Short circuit 22 voltage frights 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 at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for comb		
and AC-3 at 400 V rated value at AC-3 at 400 V rated value by 5 kW Auditary circuit number of CO contacts for auxiliary contacts 0 number of CO contacts for auxiliary contacts 0 number of NO contacts for auxiliary contacts 0 poperating voltage of auxiliary contacts at AC maximum continuous current of the auxiliary switch rated value neutation voltage of the auxiliary switch rated value suitability for use main switch suitability for use main switch suitability for use switch disconnector Yes suitability for use switch disconnector Yes suitability for use switch disconnector suitability for use switch disconnector Yes suitability for use switch disconnector Yes suitability for use switch disconnector Yes suitability for use maintenance/repair switch Yes product feature can be locked into OFF position Yes recessories product extension optional **noted drive* **voltage intiger* 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 tracket locks maximum sumber of bracket locks maximum **a 14 do V for combination switch + gG fuse maximum **al 44 do V for combination switch + gG fuse maximum **al 44 do V for combination switch + gG fuse maximum **al 44 do V for combination switch + gG fuse maximum **al 44 do V for combination switch + gG fuse maximum **al 44 do V for combination switch + gG fuse maximum **al 44 do V for combination switch + gG fuse maximum **al 44 do V for combination switch + gG fuse maximum **al 44 do V for combination switch + gG fuse maximum **al 44 do V for combination switch + gG fuse maximum **al 44 do V for combination switch + gG fuse maximum **al 44 do V for combination switch + gG fuse maximum **al 44 do V for combination switch + gG fuse maximum **al 44 do V for combination switch + gG fuse maximum **al 44 do V for combination switch + gG fuse maximum **al 44 do V for combination switch + gG fuse m		
and ACS at 890 V rated value Auxiliary circuit number of CO contacts for auxiliary contacts number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts at 0 operating voltage of auxiliary contacts at 20 operating voltage of auxiliary contacts at 20 operating voltage of auxiliary contacts at 20 mailability for use main ewitch suitability for use safety switch suitability for use maintenance/repair switch Yes suitability for use maintenance/repair switch Yes product details product extension optional • motor drive • voltage trigger number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable NC contacts for auxiliary contacts attachable maximum 3 mumber of connectable NC contacts for auxiliary contacts attachable maximum 3 hap thickness of the bracket locks maximum 3 hap thickness of the bracket locks maximum 4.5 kA • at 240 V for combination switch + gG fuse maximum • at 40 V for combination switch + gG fuse maximum • at 40 V for combination switch + gG fuse maximum • at 40 V for combination switch + gG fuse maximum • at 40 V for combination switch + gG fuse maximum • at 40 V for combination switch + gG fuse maximum • at 40 V for combination switch + gG fuse maximum • at 40 V for combination switch + gG fuse maximum • at 40 V for combination switch + gG fuse maximum • at 40 V for combination switch + gG fuse maximum • at 40 V for combination switch + gG fuse maximum • at 40 V for combination switch + gG fuse maximum • at 40 V for combination switch + gG fuse maximum • at 40 V for combination switch + gG fuse maximum • at 40 V for combination switch + gG fuse maximum • at 40 V for combination switch + gG fuse maximum • at 40 V for combination switch + gG fuse maximum • a		
Auxiliary circuit number of ICC contacts for auxiliary contacts 0 number of ICC contacts for auxiliary contacts 0 number of INC contacts for auxiliary contacts 0 porafting voltage of auxiliary contacts at AC maximum 0500 V continuous current of the auxiliary contact rated value 10 A nailation voltage of the auxiliary contact rated value 10 A nailation voltage of the auxiliary contact rated value 10 A nailation voltage of the auxiliary contact rated value 10 A nailation voltage of the auxiliary contact value 10 A nailation voltage of the auxiliary contact value 10 A nailation voltage of the auxiliary contact value 10 A nailation voltage of the auxiliary contact value 10 A nailation voltage of the auxiliary contact value 10 A nailation voltage value 10 A nailation value 10 A na		
number of CO contacts for auxiliary contacts number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts at AC maximum continuous current of the auxiliary contact at AC maximum continuous current of the auxiliary contact at aC maximum continuous current of the auxiliary contact at aC maximum continuous current of the auxiliary contact at aC maximum suitability for use main switch suitability for use main switch suitability for use as elected disconnector Yes suitability for use anime switch suitability for use maintenance/repair switch Yes suitability for use maintenance/repair switch No No number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable 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 1		5.5 KVV
number of NC contacts for auxiliary contacts 0 number of NO contacts for auxiliary contacts 0 operating voltage of auxiliary contact at AC and auxiliary contact sat AC and auxiliary contacts at AC and auxiliary contacts at AC and auxiliary contacts at activate auxiliary contacts at activate maximum and approximate with 4 g activate and auxiliary contacts at attachable maximum number of brancetable NC contacts for auxiliary contacts attachable maximum number of brancetable NC contacts for auxiliary contacts attachable maximum and auxiliary contacts attachable maximum and activate		0
number of NO contacts for suxiliary contacts at AC maximum continuous current of the auxiliary contact rated value insulation voltage of the auxiliary switch rated value South Stateshifty surfacility for use main switch surfacility for use switch disconnector ves surfacility for use switch disconnector ves surfacility for use safety switch switch ves surfacility for use	·	
operating voltage of auxiliary contacts at AC maximum continuous current of the auxiliary contact rated value insulation voltage of the auxiliary contact rated value 500 V Suitability suitability for use main switch suitability for use switch disconnector Yes suitability for use switch disconnector Yes suitability for use switch disconnector Yes suitability for use safety switch Yes Todout distable product desture can be locked into OFF position **Cocssories** Product desture can be locked into OFF position **Cocssories** Product desture can be locked into OFF position **Cocssories** Product desture can be locked into OFF position **Cocssories** Product desture can be locked into OFF position **Cocssories** Product desture can be locked into OFF position **Cocssories** Product desture can be locked into OFF position **No **		
continuous current of the auxiliary contact rated value insulation voltage of the auxiliary switch rated value 500 V suitability suitability for use main switch Suitability for use switch disconnector Suitability for use switch disconnector Suitability for use safety switch Suitability switch Suitability switch Sui		
Insulation voltage of the auxiliary switch rated value Suitability for use main switch Suitability for use switch disconnector Yes Suitability for use switch disconnector Yes Suitability for use safety switch Yes Suitability for use main savitch Yes Suitability for use main switch Yes Suitability for use maintenance/repair switch Yes Suitability for use maintenance/repair switch Yes Product details product feature can be locked into OFF position Yes Suitability for use maintenance/repair switch Yes Product details product feature can be locked into OFF position Yes Suitability for use maintenance/repair switch Yes Product details product feature can be locked into OFF position Yes Successories product extension optional No No No No No No No No No N		
Suitability for use switch disconnector Yes Suitability for use SMERGENCY OFF switch Yes Suitability for use SMERGENCY OFF switch Yes Suitability for use safety switch Yes Suitability for use maintenance/repair switch Yes Successories Product destairs Product destairs Product oxtension optional — motor drive — voilage trigger — No — number of connectable NC contacts for auxiliary contacts attachable maximum — number of connectable NC contacts for auxiliary contacts attachable maximum — number of connectable CO contacts for auxiliary contacts attachable maximum — number of connectable NC contacts for auxiliary contacts attachable maximum — number of connectable NC contacts for auxiliary contacts attachable maximum — number of consectable NC contacts for auxiliary contacts attachable maximum — number of connectable NC contacts for auxiliary contacts attachable maximum — 3 — hasp thickness of the bracket locks — 48 mm Short circuit conditional short-circuit current with line-side fuse protection — at 480 V by gG fuse rated value 10 At 40 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 combina		
suitability for use switch disconnector ves suitability to use SMERGEROY OFF switch ves suitability for use MERGEROY OFF switch ves suitability for use safety switch ves suitability for use safety switch ves suitability for use safety switch ves product deature can be locked into OFF position ves cocosories product extension optional motor drive vollage trigger No number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable NO contacts for auxiliary contacts attachable maximum number of connectable NO contacts for auxiliary contacts attachable maximum number of tracket locks maximum 3 hasp thickness of the bracket locks 48 mm Short circuit conditional short-circuit current with line-side fuse protection at 800 V by gG fuse rated value 50 kA 1st-through current with closed switch at 240 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum by KA2.s at 650 V for combination switch + gG fuse maximum at 640 V for combination switch + gG fuse maximum at 640 V for combination switch + gG fuse maximum by KA2.s at 650 V for combination switch + gG fuse maximum by KA2.s at	,	300 V
suitability for use switch disconnector suitability for use safety switch Yes suitability for use maintenance/repair switch Yes product details product teature can be locked into OFF position **Product details** product etension optional **motor drive** **notor drive** **voltage trigger** **notor drive**		Vaa
suitability for use Safety switch ves suitability for use safety switch ves suitability to use naintenance/repair switch ves product details product feature can be locked into OFF position ves product extension optional motor drive vottage trigger number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable OC contacts for auxiliary contacts attachable maximum number of bracket locks maximum naber of bracket locks maximum attachable maximum short circuit conditional short-circuit current with line-side fuse protection at 690 V by gG fuse rated value 10 tel-through current with closed switch at 440 V for combination switch + gG fuse maximum at 45 kA at 440 V for combination switch + gG fuse maximum at 45 kA at 440 V for combination switch + gG fuse maximum at 45 kA at 440 V for combination switch + gG fuse maximum at 45 kA at 440 V for combination switch + gG fuse maximum at 45 kA at 440 V for combination switch + gG fuse maximum at 45 kA at 440 V for combination switch + gG fuse maximum by MA2.s at 460 V for combination switch + gG fuse maximum at 45 kA at 440 V for combination switch + gG fuse maximum at 45 kA at 440 V for combination switch + gG fuse maximum by MA2.s at 460 V for combination switch + gG fuse maximum at 450 V for combination switch + gG fuse maximum at 450 V for combination switch + gG fuse maximum by MA2.s at 460 V for combination switch + gG fuse maximum at 450 V for combination switch + gG fuse maximum at 450 V for combination switch + gG fuse maximum by MA2.s at 460 V for combination switch + gG fuse maximum at 450 V for combination switch + gG fuse maximum by MA2.s at 460 V for combination switch + gG fuse maximum by MA2.s at 460 V for combination switch +		
suitability for use maintenance/repair switch Yes Product details product feature can be locked into OFF position Product vetansion optional motor drive No voltage trigger number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable NC contacts for auxiliary contacts attachable maximum number of bracket locks maximum at 690 V by GC fuse rated value let-through current with closed switch at 240 V for combination switch + gG fuse maximum at 480 V for combination switch + gG fuse maximum permissible 12t value with closed switch at 240 V for combination switch + gG fuse maximum at 480 V for combination switch + gG fuse maximum at 480 V for combination switch + gG fuse maximum yet A2.s yet A3.s yet A2.s yet A2.s yet A2.s yet A2.s yet A2.s yet A2.s yet A3.s ye		
suitability for use maintenance/repair switch Product details product extension optional		
Product details product feature can be locked into OFF position Product extension optional In motor drive In motor drive In motor of connectable NC contacts for auxiliary contacts attachable maximum Inumber of connectable NC contacts for auxiliary contacts attachable maximum Inumber of connectable NC contacts for auxiliary contacts attachable maximum Inumber of connectable CO contacts for auxiliary contacts attachable maximum Inumber of connectable CO contacts for auxiliary contacts attachable maximum Inumber of connectable CO contacts for auxiliary contacts attachable maximum Inumber of connectable CO contacts for auxiliary contacts attachable maximum Inumber of connectable CO contacts for auxiliary contacts attachable maximum Inumber of connectable CO contacts for auxiliary contacts attachable maximum Inumber of connectable CO contacts for auxiliary contacts attachable maximum Inumber of connectable CO contacts for auxiliary contacts attachable maximum Inumber of connectable CO contacts for auxiliary contacts attachable maximum Inumber of connectable CO contacts for auxiliary contacts attachable maximum Inumber of contacts for auxiliary contacts attachable maximum Interest for auxiliary contacts attach	· · · · · · · · · · · · · · · · · · ·	
product feature can be locked into OFF position Cossories		165
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 connectable CO contacts for auxiliary contacts attachable maximum number of bracket locks maximum 3 hasp thickness of the bracket locks summum at 50 km 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 440 V for combination switch + gG fuse maximum at 450 V for combination switch + gG fuse maximum at 450 V for combination switch + gG fuse maximum at 450 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 450 V for combination switch + gG fuse maximum at 450 V for combination switch + gG fuse maximum at 450 V for combination switch + gG fuse maximum at 450 V for combination switch + gG fuse maximum at 450 V for combination switch + gG fuse maximum at 450 V for combination switch + gG fuse maximum at 450 V for combination switch + gG fuse maximum at 450 V for combination switch + gG fuse maximum at 450 V for combination switch + gG fuse maximum at 450 V for combination switch + gG fuse maximum at 450 V for combination switch + gG fuse maximum at 450 V for combination switch + gG fuse maximum at 450 V for combination switch + gG fuse function functi		Ven
product extension optional • motor drive • voltage trigger number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable CO contacts for auxiliary contacts attachable maximum number of bracket locks maximum shap trickness of the bracket locks Short circuit conditional short-circuit current with line-side fuse protection at 680 V by gG fuse rated value 10 ta 40 V for combination switch + gG fuse maximum nemissible 12 tvalue with closed switch 12 tvalue with closed switch 12 tvalue with closed switch 13 tvalue with closed switch 14 tval V for combination switch + gG fuse maximum 15 tkA 16 triangle of the fuse link 16 or short-circuit protection of the main circuit required 16 for short-circuit protection of the maximum premission of the succording to UL 508/UL 60947-4-1 rated value 16 operational current at AC according to UL 508/UL 60947-4-1 rated value 20 active power (Ipp) at AC at 480 V according to UL 508/UL 60947-4-1 rated value active power (Ipp) at AC at 480 V according to UL 508/UL 60947-4-1 rated value active power (Ipp) at AC at 480 V according to UL 508/UL 60947-4-1 rated value active power (Ipp) at AC at 480 V according to UL 508/UL 60947-4-1 rated value	· · ·	165
• motor drive • voltage trigger • voltage trigger • number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable NO contacts for auxiliary contacts statchable maximum number of connectable CO contacts for auxiliary contacts statchable maximum number of bracket locks maximum nabas thickness of the bracket locks Short circuit conditional short-circuit current with line-side fuse protection • at 690 V by gG fuse rated value 1et-through current with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum permissible 12t value with closed switch • at 240 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum state at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum state at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum state at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum state at 440 V for combination switch + gG fuse maximum state at 440 V for combination switch + gG fuse maximum state at 440 V for combination switch + gG fuse maximum state at 440 V for combination switch + gG fuse maximum state at 440 V for combination switch + gG fuse maximum state at 440 V for combination switch + gG fuse maximum state at 440 V for combination switch + gG fuse maximum state at 440 V for combination switch + gG fuse maximum state at 440 V for combination switch + gG fuse maximum state at 440 V for combination switch + gG fuse maximum state at 440 V for combination switch + gG fuse maximum state at 440 V for combination switch + gG fuse maximum state at 440 V for combination switch + gG fuse fuse fuse fuse fuse fuse fuse fuse		
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 recarcet locks maximum number of recarcet locks maximum number of bracket locks maximum number of bracket locks maximum al sep 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 1et-through current with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum permissible 12t value with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • for short-circuit protection of the main circuit required • for short-circuit protection of the main circuit required • for short-circuit protection of the main circuit required • for short-circuit protection of the susiliary switch required • for short-circuit protection of the susiliary switch required • for short-circuit protection of the susiliary switch required • for short-circuit protection of the susiliary switch required • for short-circuit protection of the susiliary switch required • for short-circuit protection of the susiliary switch required • for short-circuit protection of the susiliary switch required • for short-circuit protection of the susiliary switch required • for short-circuit protection of the susiliary switch required • for s	·	No
number of connectable NC contacts for auxillary contacts attachable maximum number of connectable CO contacts for auxillary contacts attachable maximum number of connectable CO contacts for auxillary contacts attachable maximum number of bracket locks maximum a shasp thickness of the bracket locks Short circuit conditional short-circuit current with line-side fuse protection a at 690 V by gG fuse rated value at 240 V for combination switch + gG fuse maximum a ta 440 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum be at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum be at 690 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum be at 690 V for combination switch + gG fuse maximum be at 690 V for combination switch + gG fuse maximum be at 690 V for combination switch + gG fuse maximum be at 690 V for combination switch + gG fuse maximum be at 690 V for combination switch + gG fuse maximum be at 690 V for combination switch + gG fuse maximum be at 690 V for combination switch + gG fuse maximum be at 690 V for combination switch + gG fuse maximum be at 690 V for combination switch + gG fuse maximum be at 690 V for combination switch + gG fuse maximum be at 690 V for combination switch + gG fuse maximum be at 690 V for combination switch + gG fuse maximum be at 690 V for combination switch + gG fuse maximum be at 690 V for combination switch + gG fuse maximum be at 690 V for combination switch + gG fuse maximum be at 690 V for combination switch + gG fuse maximum be at 690 V for combination switch + gG fuse maximum be at 690 V for combination		
attachable maximum number of connectable NO contacts for auxiliary contacts attachable maximum number of connectable CO contacts for auxiliary contacts attachable maximum number of bracket locks maximum number of bracket locks maximum namber of bracket locks maximum number of bracket locks maximum number of bracket locks described by the protection of the bracket locks Short circuit conditional short-circuit current with line-side fuse protection at 690 V by gG fuse rated value bet-through current with closed switch at 440 V for combination switch + gG fuse maximum at 450 V for combination switch + gG fuse maximum permissible lizt value with closed switch at 240 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum be at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum beta 1240 V f		
attachable maximum number of connectable CO contacts for auxiliary contacts attachable maximum 3 hasp thickness of the bracket locks	attachable maximum	
attachable maximum number of bracket locks maximum 3 hasp thickness of the bracket locks 4 8 mm Short circuit conditional short-circuit current with line-side fuse protection • at 690 V by gG fuse rated value let-through current with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum 9 the standard fuse fuse fuse fuse maximum 9 the standard fuse fuse fuse fuse fuse maximum 9 the standard fuse fuse fuse fuse fuse fuse fuse fuse	attachable 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 50 kA let-through current with closed switch at 440 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum be at 690 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum be missible 12t value with closed switch at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum be at 440 V for combination switch + gG fuse maximum at 450 V for combination switch + gG fuse maximum be at 690 V for combination switch + gG fuse maximum be at 690 V for combination switch + gG fuse maximum be at 690 V for combination switch + gG fuse maximum be at 690 V for combination switch + gG fuse maximum be at 690 V for combination switch + gG fuse maximum be at 690 V for combination switch + gG fuse maximum be at 690 V for combination switch + gG fuse maximum be at 690 V for combination switch + gG fuse maximum catcording UL be at 690 V for combination switch + gG fuse maximum be at 690 V according to UL 508/UL coperational current at AC according to UL 508/UL coperational current at AC at 480 V according to UL 508/UL coperational current at AC at 480 V according to UL 508/UL coperational current at AC at 480 V according to UL 508/UL coperational current at AC at 480 V according to UL 508/UL coperational current at AC at 480 V according to UL 508/UL coperational current at AC at 600 V according to UL 508/UL coperational current at AC at 600 V according to UL 508/UL coperational current at AC at 480 V according to UL 508/UL coperational current at AC at 600 V according to UL 508/UL coperational current at AC at 600 V according to UL 508/UL coperational current at AC at 600 V according to UL 508/UL coperational current at AC at 600 V according to UL 508/UL coperational current at AC at 60		0
Short circuit conditional short-circuit current with line-side fuse protection • at 690 V by gG fuse rated value 6 at 240 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum permissible 12t value with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • for short-circuit protection of the main circuit required • for short-circuit protection of the main circuit required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • fuse gL/gG: 40 A • for short-circuit protection of the auxiliary switch required • porational current of upstream fuse rated value 20 coording UL operational current at AC according to UL 508/UL 60947-4-1 rated value operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value	number of bracket locks maximum	3
conditional short-circuit current with line-side fuse protection • at 690 V by gG fuse rated value 10 tet-through current with closed switch • at 240 V for combination switch + gG fuse maximum • at 240 V for combination switch + gG fuse maximum • at 240 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 400 V for combination switch + gG fuse maximum • kA2.s • 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 • for short-circuit protection of the auxiliary switch required • operational current of upstream fuse rated value 20 according UL operational current at AC according to UL 508/UL 60947-4-1 rated value operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value active power (hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value	hasp thickness of the bracket locks	4 8 mm
protection	Short circuit	
let-through current with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 240 V for combination switch + gG fuse maximum • at 240 V for combination switch + gG fuse maximum • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • for short-circuit protection of the main circuit required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required operational current of upstream fuse rated value according UL operational current at AC according to UL 508/UL 60947-4-1 rated value operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value		
at 240 V for combination switch + gG fuse maximum at 240 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum bermissible 12t value with closed switch at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum be at 440 V for combination switch + gG fuse maximum be at 690 V for combination switch + gG fuse maximum be for short-circuit protection of the main circuit required be for short-circuit protection of the auxiliary switch required be for short-circuit protection of the auxiliary switch required be operational current of upstream fuse rated value according UL operational current at AC according to UL 508/UL 60947-4-1 rated value operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value 20 60947-4-1 rated value	at 690 V by gG fuse rated value	50 kA
at 440 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum permissible I2t value with closed switch at 240 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum be at 440 V for combination switch + gG fuse maximum be at 690 V for combination switch + gG fuse maximum be at 690 V for combination switch + gG fuse maximum be at 690 V for combination switch + gG fuse maximum be A2.s design of the fuse link be for short-circuit protection of the main circuit required be for short-circuit protection of the auxiliary switch required be for short-circuit protection of the auxiliary switch required be for short-circuit protection of the auxiliary switch required be according UL operational current of upstream fuse rated value operational current at AC according to UL 508/UL 60947-4-1 according UL operational current at AC at 50/60 Hz according to UL 508/UL 600 V 600 V 20 active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value	let-through current with closed switch	
• at 690 V for combination switch + gG fuse maximum permissible I2t value with closed switch	• at 240 V for combination switch + gG fuse maximum	4.5 kA
Description	• at 440 V for combination switch + gG fuse maximum	4.5 kA
at 240 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum by kA2.s design of the fuse link af for short-circuit protection of the main circuit required fuse gL/gG: 40 A for short-circuit protection of the auxiliary switch required operational current of upstream fuse rated value according UL operational current at AC according to UL 508/UL 60947-4-1 rated value operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value 20 60947-4-1 rated value	•	5 kA
 at 440 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum b 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 operational current of upstream fuse rated value according UL operational current at AC according to UL 508/UL 60947-4-1 rated value operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value 	I2t value with closed switch	
at 690 V for combination switch + gG fuse maximum be for short-circuit protection of the main circuit required fuse gL/gG: 40 A for short-circuit protection of the auxiliary switch required operational current of upstream fuse rated value according UL operational current at AC according to UL 508/UL 60947-4-1 rated value operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value 20 60947-4-1 rated value	• at 240 V for combination switch + gG fuse maximum	9 kA2.s
design of the fuse link • for short-circuit protection of the main circuit required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required operational current of upstream fuse rated value 40 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 rated value active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value	• at 440 V for combination switch + gG fuse maximum	9 kA2.s
• for short-circuit protection of the main circuit required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required operational current of upstream fuse rated value according UL operational current at AC according to UL 508/UL 60947-4-1 rated value operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value 20 60947-4-1 rated value	• at 690 V for combination switch + gG fuse maximum	9 kA2.s
	design of the fuse link	
operational current of upstream fuse rated value according UL operational current at AC according to UL 508/UL 60947-4-1 rated value operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value 20 60947-4-1 rated value	 for short-circuit protection of the main circuit required 	fuse gL/gG: 40 A
according UL operational current at AC according to UL 508/UL 60947-4-1 32 A rated value operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 600 V according to UL 508/UL 20 60947-4-1 rated value	for short-circuit protection of the auxiliary switch required	fuse gL/gG: 10 A
operational current at AC according to UL 508/UL 60947-4-1 rated value operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value 20 60947-4-1 rated value	operational current of upstream fuse rated value	40 A
rated value operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value	according UL	
active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value 20 60947-4-1 rated value		32 A
active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value		600 V
60947-4-1 rated value		20
short-time withstand current (SCCR) at 600 V according to 5 kA		20
	short-time withstand current (SCCR) at 600 V according to	5 kA

UL 508/UL 60947-4-1	
continuous current of upstream fuse according to UL rated	80 A
value	•
type of fuse according to UL	RK5
Connections	
AWG number as coded connectable conductor cross section solid maximum	
•	8
•	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	206 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	
Company Duradicat American	









Confirmation





General Product Approval

Marine / Shipping

other

Miscellaneous







<u>Miscellaneous</u>

Confirmation

Environment

Environmental Confirmations Environmental Confirmations

Further information

Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813875

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

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

Industry Mall (Online ordering system)

 $\underline{\text{https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3LD2254-0TK53}}$

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3LD2254-0TK53

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

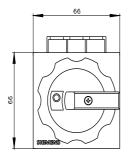
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2254-0TK53

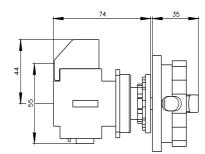
CAx-Online-Generator

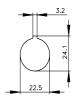
http://www.siemens.com/cax

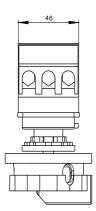
Tender specifications

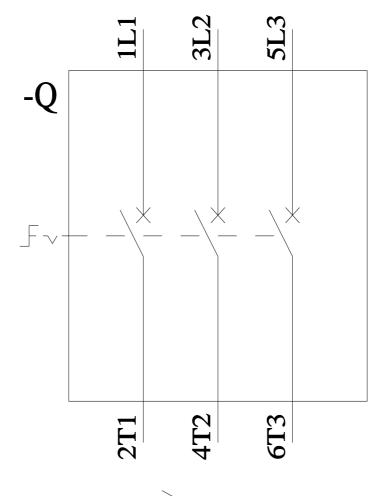
http://www.siemens.com/specifications

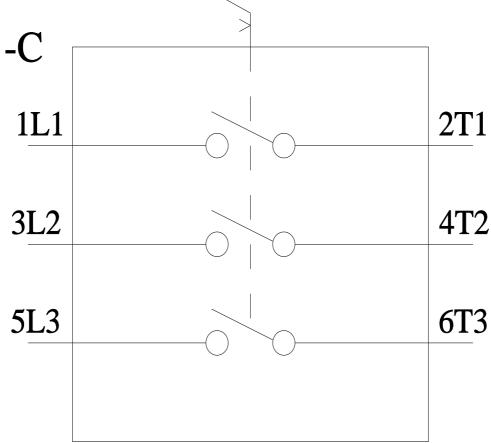












last modified: 6/20/2023 🖸