## **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
<ul> <li>at AC-23 A at 400 V rated value</li> </ul>	22 A

operating power  • At AC-23 A at 400 V rated value  • At AC-23 A at 400 V rated value  • At AC-23 A at 400 V rated value  • At AC-23 A at 400 V rated value  • At AC-23 A at 400 V rated value  • At AC-23 A at 400 V rated value  • At AC-23 A at 400 V rated value  • At AC-23 A at 400 V rated value  • At AC-23 A at 400 V rated value  • At AC-23 A at 800 V rated value  • At AC-23 A at 800 V rated value  • At AC-23 A at 800 V rated value  • At AC-23 A sello V rated value  • A ALC-23 A sello V rated value  • As AC-23		
e at AC-23 A at 400 V rated value  e at AC-23 A at 400 V rated value  e at AC-3 at 200 V rated value  powerface of CO contacts for auxiliary contacts  number of NC contacts for auxiliary contacts  powerface of NC powerface  number of NC contacts for auxiliary contacts  number of NC contacts for auxiliary contacts  powerface of NC powerface  powerface of NC powerface  number of NC contacts for auxiliary contacts  powerface of NC powerface  e active of NC powerface  powerface of NC powerface  e active powerface  e ac	operating power	
e at AC-23 A at 40 V rated value e At AC-33 at 1800 V rated value 12 kW e AC-33 at 200 V rated value 10 kW e AC-3 at 200 V rated value 10 kW e AC-3 at 400 V rated value 9 5.5 kW Auxiliary circuit  variety of Co contacts for auxiliary contacts 0 unumber of NC contacts for auxiliary contacts 0 unumber of NC contacts for auxiliary contacts 0 unumber of NC contacts for auxiliary contacts 0 perating voltage of auxiliary switch rated value 0 voltage in auxiliary switch yes 0 enabled voltage of yes auxiliary switch rated value 0 enabled voltage of yes auxiliary switch yes 0 enabled voltage of yes auxiliary switch yes 0 enabled voltage of yes auxiliary contacts 0 enabled voltage of yes auxiliary contacts 0 enabled voltage in yes auxiliary contacts		
e at AC-33 at 400 V rated value		
e at AC-3 at 240 V rated value e at AC-3 at 950 V rated value 9.5 KW  Auxillary circuit number of CC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 operating valtage of auxiliary contacts 10 operating valtage of auxiliary contacts at AC maximum 500 V continuous current of the auxiliary switch rated value insulation voltage of the auxiliary switch rated value suitability for use e main switch 9 Ves e main switch 9 Ves e main switch 10 Ves e maintenance/repair switch 10 Ves e ma		
e at ACS at 400 V rated value e at ACS at 800 V rated value 9.5 kW  Auxiliary circuit number of CO contacts for auxiliary contacts 0 number of NO contacts for auxiliary contacts 0 number of NO contacts for auxiliary contacts 0 continuous current of the auxiliary contact at AC maximum 500 V continuous current of the auxiliary contact rated value insulation voltage of the auxiliary switch rated value  suitability for use  • main switch • walk disconnector • Yes • walk disconnector • Wes • after walk of the auxiliary switch rated value • and the auxiliary switch • walk disconnector • EMERGENCY OFF watch • walk of walk of the auxiliary switch • and the auxiliary switch • Yes • after walk of the auxiliary switch • and the auxiliary switch • Yes • after walk of the auxiliary switch • walk of the auxiliary switch • Yes • after walk of the auxiliary switch • Yes • after walk of the auxiliary switch • Yes • after walk of the auxiliary switch • yes • after walk of the auxiliary switch • walk of the contacts for auxiliary contacts • attachable maximum • mumber of connectable NC contacts for auxiliary contacts • attachable maximum • number of connectable NC contacts for auxiliary contacts • attachable maximum • auxiliary to yes • auxiliary		
Auxiliary circuit  number of CO contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 operating voltage of auxiliary contacts at AC maximum 000 V operating voltage of auxiliary contact at AC maximum 000 V operating voltage of the auxiliary switch rated value insulation voltage of the auxiliary switch rated value sustability for use  • main switch • anin switch • switch disconnector • ENERGENCY OFF switch • aninternance/epair switch • mainternance/epair switch • mainternance/epair switch • mainternance/epair switch • mainternance/epair switch • montor drive • notor drive • voltage frager • No • Voltager • No • Voltager • No • No • Voltager • No • No • Voltager • No		
Auxiliary circuit number of IXC contacts for auxiliary contacts 0 number of IXC contacts for auxiliary contacts 0 number of IXC contacts for auxiliary contacts 0 poerating voltage of auxiliary contacts at AC maximum 500 V continuous current of the auxiliary contact atted value insulation voltage of the auxiliary contact atted value 500 V striability sustability for use • main switch • main switch • which disconnector • Yes • which disconnector • Wes • which disconnector • Wes • auxiliary switch • which disconnector • Yes • auxiliary switch • which disconnector • Yes • auxiliary switch • maintenance/repair switch • Yes • auxiliary contact • maintenance/repair switch • Yes • auxiliary contact • maintenance/repair switch • Yes • auxiliary contact • more of connectable NC contacts for subiliary contacts • more of connectable NC contacts for auxiliary contacts • workinge intiger • number of connectable NC contacts for auxiliary contacts • undiscondition maintenance • undiscondition auxiliary • undiscondition a	<ul> <li>at AC-3 at 400 V rated value</li> </ul>	
number of NC 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 act walue situation votage of the auxiliary switch rated value insulation votage of the auxiliary switch rated value situation votage votage vo		9.5 kW
number of NC contacts for auxiliary contacts on unumorus of NO contacts of auxiliary contacts on the surface of NC contacts of auxiliary contacts at AC maximum 500 V control of NC contacts of auxiliary contact rated value 500 V suitability for use    * main switch	Auxiliary circuit	
number of NO contacts for auxiliary contacts operating of content in the auxiliary contact is at AC maximum continuous current of the auxiliary switch rated value insulation votage of the auxiliary switch rated value Sinatability suitability suitability suitability for use emain switch - switch disconnector - Ves - safety switch - which disconnector - Ves - safety switch - Ves - safety switch - which disconnector - Ves - safety switch - No - number of connectable NC contacts for auxiliary contacts - statischable maximum - safety switch - safe	·	0
operating voltage of auxiliary contacts at AC maximum  continuous current of the auxiliary contact rated value  Sintability  suitability for use  • main switch • switch disconnector • switch disconnector • switch disconnector • switch disconnector • self-REKENCY OFF switch • switch disconnector • safety switch • maintenance/repair switch • maintenance/repair switch • ranintenance/repair switch  Product distalis product feature can be locked into OFF position  Yes  Product distalis product feature can be locked into OFF position  Yes  Product distalis product extension optional • morber drive • woltage 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 bracket locks maximum  number of bracket locks maximum  attachable maximum  number of bracket locks maximum  at 800 V by Gr. fuse rated value  at 480 V for combination switch + gG fuse maximum  at 480 V for combina	number of NC contacts for auxiliary contacts	0
continuous current of the auxiliary contact rated value insulation voltage of the auxiliary switch rated value 500 V  suitability suitability suitability suitability suitability suitability suitability suitability es which switch es which disconnector Ves es HERRENCY OFF switch yes esafety switch yes maintenance/repair switch Yes  product details number of connectable NC contacts for auxiliary contacts endichable maximum number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable CO contacts for auxiliary contacts attachable maximum nasp thickness of the bracket locks auximum a rate of connectable CO contacts for auxiliary contacts attachable maximum a rate of connectable CO contacts for auxiliary contacts attachable maximum a rate of connectable CO contacts for auxiliary contacts attachable maximum a rate of connectable CO contacts for auxiliary contacts attachable maximum a rate of connectable CO contacts for auxiliary contacts attachable maximum at a 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 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 of the main circuit requ	number of NO contacts for auxiliary contacts	0
insulation voltage of the auxiliary switch rated value  Suitability for use  * main switch  * switch disconnector  * EMERGENCY OFF switch  * safety switch  * safety switch  * safety switch  * safety switch  * maintenance/repair switch  * remaintenance/repair  * remaintenance/re	operating voltage of auxiliary contacts at AC maximum	500 V
Suitability suitability suitability for use  main switch  switch disconnector  EMERGENCY OFF switch  safety switch  maintenance/repair switch  Product details  product feature can be locked into OFF position  successories  product steating  product steating  product steating  product steating  product steating  material of switch sold in the safety switch  ves  successories  product steating  product steating  product steating  product steating  material or onnectable NC contacts for switiliary contacts  attachable maximum  number of connectable NC contacts for switiliary contacts  attachable maximum  number of switch switch or switch switch  attachable maximum  number of swetzel locks maximum  hasp thickness of the bracket locks  Short circuit  conditional short-circuit current with line-side fuse protection  at 860 V by gG fuse rated value  state 440 V for combination switch + gG fuse maximum  at 480 V for co	continuous current of the auxiliary contact rated value	10 A
suitability for use  main switch switch disconnector EMERGENCY OFF switch safety switch Tyes maintenance/repair switch Yes maintenance/repair switch Yes maintenance/repair switch Yes maintenance/repair switch Yes  maintenance/repair switch Yes  coccasorias product extension optional motor drive voltage trigger No voltage trigger No number of connectable NC contacts for auxilliary contacts attachable maximum number of connectable NC contacts for auxilliary contacts attachable maximum number of connectable NC contacts for auxilliary contacts attachable maximum number of bracket locks maximum number of bracket locks maximum anumber of bracket locks maximum number of bracket locks maximum number of bracket locks maximum number of bracket locks due attachable maximum 4.5 kA 4.6 kA 4.7 kA 4.7 kA 4.7 kable V for combination switch + gG fluse maximum at 440 V for combination switch + gG fluse maximum at 440 V for combination switch + gG fluse maximum at 440 V for combination switch + gG fluse maximum at 440 V for combination switch + gG fluse maximum at 440 V for combination switch + gG fluse maximum at 440 V for combination switch + gG fluse maximum at 440 V for combination switch + gG fluse maximum at 440 V for combination switch + gG fluse maximum at 440 V for combination switch + gG fluse maximum at 440 V for combination switch + gG fluse maximum at 440 V for combination switch + gG fluse maximum at 440 V for combination switch + gG fluse maximum at 440 V for combination switch + gG fluse maximum at 440 V for combination switch + gG fluse maximum at 440 V for combination switch + gG fluse maximum at 440 V for combination switch + gG fluse fluse	insulation voltage of the auxiliary switch rated value	500 V
main switch     switch disconnector     EMERGENCY OFF switch     safety switch     maintenancerepair switch     maintenancerepair switch     maintenancerepair switch     maintenancerepair switch     Troduct details     product teature can be locked into OFF position     Sccassories     product extension optional	Suitability	
Switch disconnector     EMERGENCY OFF switch     Safety switch     maintenance/repair switch     Yes     Product details     product reature can be locked into OFF position     Yes     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 connectable NO contacts for auxiliary contacts     attachable maximum     number of bracket locks maximum     number of bracket locks maximum     number of bracket locks maximum     value of by gof fuse reated value     value of by gof fuse reated value     value of by gof fuse reated value     value of vic combination switch + gG fuse maximum     value of vic combination switch + gG fuse maximum     value of vic combination switch + gG fuse maximum     value of vic combination switch + gG fuse maximum     value of vic combination switch + gG fuse maximum     value of vic combination switch + gG fuse maximum     value of vic combination switch + gG fuse maximum     value of vic combination switch + gG fuse maximum     value of vic combination switch + gG fuse maximum     value of vic combination switch + gG fuse maximum     value of vic combination switch + gG fuse maximum     value of vic combination switch + gG fuse maximum     value of vic combination switch + gG fuse maximum     value of vic combination switch + gG fuse maximum     value of vic combination switch + gG fuse maximum     value of vic combination switch + gG fuse maximum     value of vic combination switch + gG fuse maximum     value of vic combination switch + gG fuse maximum     value of vic combination switch + gG fuse maximum     val	suitability for use	
EMERGENCY OFF switch  safety switch  safety switch  raminetnance/repair switch  Product details  product feature can be locked into OFF position  Processores  product extension optional  motor drive  voltage trigger  No  number of connectable NC contacts for auxiliary contacts attachable maximum  number of connectable NO contacts for auxiliary contacts attachable maximum  number of connectable NO contacts for auxiliary contacts attachable maximum  number of connectable NO contacts for auxiliary contacts attachable maximum  number of bracket locks maximum  namber of bracket locks maximum  na 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 flus rated value  50 kA  let-through current with closed switch  at 240 V for combination switch + gG fuse maximum  at 440 V for	main switch	Yes
* safety switch     * maintenance/repair switch     * refuect details     product teature can be locked into OFF position     * coessories     product extension optional     * motor drive     * voltage trigger     * No     * voltage trigger     * No     * voltage trigger     * No     * unwher 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     * number of bracket locks maximum     * at 890 V by gG fuse rated value     * at 890 V by gG fuse rated value     * at 440 V for combination switch + gG fuse maximum     * at 440 V for combination switch + gG fuse maximum     * at 440 V for combination switch + gG fuse maximum     * at 440 V for combination switch + gG fuse maximum     * at 440 V for combination switch + gG fuse maximum     * at 440 V for combination switch + gG fuse maximum     * at 440 V for combination switch + gG fuse maximum     * at 440 V for combination switch + gG fuse maximum     * at 440 V for combination switch + gG fuse maximum     * at 440 V for combination switch + gG fuse maximum     * at 440 V for combination switch + gG fuse maximum     * at 490 V for combination switch + gG fuse maximum     * at 490 V for combination switch + gG fuse maximum     * at 490 V for combination switch + gG fuse maximum     * at 490 V for combination switch + gG fuse maximum     * at 490 V for combination switch + gG fuse maximum     * at 490 V for combination switch + gG fuse maximum     * at 490 V for combination switch + gG fuse maximum     * at 490 V for combination switch + gG fuse maximum     * at 490 V for combination switch + gG fuse maximum     * at 490 V for combination switch + gG fuse maximum     * at 490 V for combination switch + gG fuse maximum     * at 490 V for combinati	<ul> <li>switch disconnector</li> </ul>	Yes
maintenance/repair switch  Product details product extension optional motor drive notor d	EMERGENCY OFF switch	Yes
Product details product feature can be locked into OFF position  Yes    Product extension optional	<ul> <li>safety switch</li> </ul>	Yes
product feature can be locked into OFF position  coessories  product extension optional  number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable CO contacts for auxiliary contacts attachable maximum number of connectable CO contacts for auxiliary contacts attachable maximum number of bracket locks maximum 3 hasp thickness of the bracket locks witch conditional short-circuit current with line-side fuse protection at 690 V by gG fuse rated value felt-through current with closed switch at 240 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum permissible lizt value with closed switch at 440 V for combination switch + gG fuse maximum at 440 V for combinati	maintenance/repair switch	Yes
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 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  a hasp thickness of the bracket locks maximum  a lasp thickness of the bracket locks maximum  a to 400 by gG fuse rated value  conditional short-circuit current with line-side fuse protection  a at 690 V by gG fuse rated value  better through current 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  at 690 V by GC fuse switch  at 690 V for combination switch + gG fuse maximum  beta 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  beta 240 V for combination switch + gG fuse maximum  at 690 V for combination switch + gG fuse maximum  beta 240 V for combination switch + gG fuse maximum  at 440 V for combination switch + gG fuse maximum  beta 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  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 fuse fuse fuse fuse fuse fuse fuse	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  number of connectable CO contacts for auxiliary contacts attachable maximum  number of bracket locks maximum  stage of the st	product feature can be locked into OFF position	Yes
• motor drive  • voltage trigger  number of connectable NC contacts for auxiliary contacts attachable maximum  number of connectable NO contacts for auxiliary contacts attachable maximum  number of connectable CO contacts for auxiliary contacts attachable maximum  number of bracket locks maximum  number of bracket locks maximum  nasp thickness of the bracket locks  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  • at 440 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 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	accessories	
• voltage trigger  number of connectable NC contacts for auxiliary contacts attachable maximum  number of connectable NO contacts for auxiliary contacts attachable maximum  number of connectable CO contacts for auxiliary contacts attachable maximum  number of connectable CO contacts for auxiliary contacts attachable maximum  number of bracket locks maximum  hasp thickness of the bracket locks attachable 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  10 kA  let-through current with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum 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 • 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 • fuse gL/gG: 40 A fus	product extension optional	
number of connectable NC contacts for auxillary contacts attachable maximum number of connectable NC contacts for auxillary contacts attachable maximum number of connectable CO contacts for auxillary contacts attachable maximum number of bracket locks set to bracket locks Short circuit conditional short-circuit current with line-side fuse protection • at 690 V by 6 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 440 V for combination switch + gG fuse maximum permissible lizt value with closed switch • at 240 V for combination switch + gG fuse maximum • at 240 V for combination switch + gG fuse maximum • at 240 V for combination switch + gG fuse maximum • at 240 V for combination switch + gG fuse maximum • at 890 V for combination switch + gG fuse maximum • at 890 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse fuse fuse fuse fuse fuse fuse fuse	<ul> <li>motor drive</li> </ul>	No
attachable maximum number of connectable NO contacts for auxiliary contacts attachable maximum number of connectable CO contacts for auxiliary contacts attachable maximum number of bracket locks maximum number of bracket locks maximum number of bracket locks maximum namber of bracket locks maximum namber of bracket locks substituted to the state of the s	voltage trigger	No
attachable maximum number of connectable CO contacts for auxiliary contacts attachable maximum number of bracket locks maximum 3 hasp thickness of the bracket locks 4 8 mm  Short circuit conditional short-circuit current with line-side fuse protection • at 690 V by gG fuse rated value  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 9 kA2.s  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 • for short-circuit protection of the main circuit required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the main circuit required • for short-circuit protection of the auxiliary switch required operational current of upstream fuse rated value  2ccording UL  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 short-time withstand current (SCCR) at 600 V according to UL 508/UL short-time withstand current (SCCR) at 600 V according to UL 5 kA		2
attachable maximum number of bracket locks maximum 3 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 690 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 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 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 auxiliary switch required operational current of upstream fuse rated value  operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value  operating voltage at AC at 480 V 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  short-time withstand current (SCCR) at 600 V according to UL  5 kA		2
hasp thickness of the bracket locks  Short circuit  conditional short-circuit current with line-side fuse protection  • at 690 V by gG fuse rated value  • at 240 V for combination switch + gG fuse maximum  • at 490 V for combination switch + gG fuse maximum  • at 690 V for combination switch + gG fuse maximum  • at 690 V for combination switch + gG fuse maximum  permissible  I2t value with closed switch  • at 240 V for combination switch + gG fuse maximum  • at 400 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 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 auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • fuse gL/gG: 40 A  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  short-time withstand current (SCCR) at 600 V according to UL  5 kA		0
Short circuit  conditional short-circuit current with line-side fuse protection  • at 690 V by gG fuse rated value  let-through current with closed switch  • at 240 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  permissible  l2t value with closed switch  • at 240 V for combination switch + gG fuse maximum  permissible  l2t value with closed switch  • at 240 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 490 V for combination switch + gG fuse maximum  • at 690 V for combination switch + gG fuse maximum  • 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  short-time withstand current (SCCR) at 600 V according to UL 58/UL 60947-4-1 rated value  short-time withstand current (SCCR) at 600 V according to UL 58/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  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  l2t value with closed switch  • at 240 V for combination switch + gG fuse maximum  permissible  l2t value with closed switch  • at 240 V for combination switch + gG fuse maximum  • at 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  • for short-circuit protection of the main circuit 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  short-time withstand current (SCCR) at 600 V according to UL  5 kA	hasp thickness of the bracket locks	4 8 mm
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 45 kA  at 490 V for combination switch + gG fuse maximum  permissible  let value with closed switch  at 240 V for combination switch + gG fuse maximum  at 240 V for combination switch + gG fuse maximum  at 240 V for combination switch + gG fuse maximum  at 440 V for combination switch + gG fuse maximum  by kA2.s  at 690 V for combination switch + gG fuse maximum  fuse gu/gG: 40 A  for short-circuit protection of the main circuit required  fuse gu/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  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  short-time withstand current (SCCR) at 600 V according to UL  short-time withstand current (SCCR) at 600 V according to UL  5 kA	Short circuit	
let-through current with closed switch  • at 240 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 690 V for combination switch + gG fuse maximum  permissible  I2t value with closed switch  • at 240 V for combination switch + gG fuse maximum  • at 240 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 690 V for combination switch + gG fuse 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  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  short-time withstand current (SCCR) at 600 V according to UL  5 kA	conditional short-circuit current with line-side fuse protection	
at 240 V for combination switch + gG fuse maximum at 4.5 kA  at 440 V for combination switch + gG fuse maximum permissible  12t value with closed switch 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 690 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum by kA2.s  at 690 V for combination switch + gG fuse maximum by kA2.s  design of the fuse link  after 60 for short-circuit protection of the main circuit required fuse gL/gG: 40 A fuse gL/gG: 10 A  operational current of upstream fuse rated value  according UL  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  short-time withstand current (SCCR) at 600 V according to UL  5 kA	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 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 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  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  short-time withstand current (SCCR) at 600 V according to UL  5 kA  6 kA  5 kA  6 kA  5 kA  6 kA  5 kA  5 kA  5 kA  5 kA	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 at 440 V for combination switch + gG fuse maximum by kA2.s at 490 V for combination switch + gG fuse maximum by kA2.s at 690 V for combination switch + gG fuse maximum by kA2.s  at 690 V for combination switch + gG fuse maximum by 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  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  short-time withstand current (SCCR) at 600 V according to UL  5 kA	• at 240 V for combination switch + gG fuse maximum	4.5 kA
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 490 V for combination switch + gG fuse maximum  • at 690 V for combination switch + gG fuse maximum  • at 690 V for combination switch + gG fuse maximum  • 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 fuse gL/gG: 10 A  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  short-time withstand current (SCCR) at 600 V according to UL 5 kA	• 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  at 690 V for combination switch + gG fuse maximum by kA2.s  design of the fuse link at 690 V for short-circuit protection of the main circuit required fuse gL/gG: 40 A at 690 V for short-circuit protection of the main circuit required fuse gL/gG: 10 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 active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value short-time withstand current (SCCR) at 600 V according to UL  5 kA		5 kA
<ul> <li>at 440 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>9 kA2.s</li> <li>design of the fuse link</li> <li>for short-circuit protection of the main circuit required</li> <li>fuse gL/gG: 40 A</li> <li>for short-circuit protection of the auxiliary switch required</li> <li>operational current of upstream fuse rated value</li> <li>according UL</li> <li>operational current at AC according to UL 508/UL 60947-4-1 rated value</li> <li>operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value</li> <li>active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value</li> <li>active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value</li> <li>active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value</li> <li>short-time withstand current (SCCR) at 600 V according to UL</li> <li>5 kA</li> </ul>	I2t value with closed switch	
at 690 V for combination switch + gG fuse maximum  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  active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value  short-time withstand current (SCCR) at 600 V according to UL  5 kA	• 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  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  short-time withstand current (SCCR) at 600 V according to UL  5 kA	• 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 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 short-time withstand current (SCCR) at 600 V according to UL  5 kA	• at 690 V for combination switch + gG fuse maximum	9 kA2.s
● 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  short-time withstand current (SCCR) at 600 V according to UL  5 kA	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  active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value  short-time withstand current (SCCR) at 600 V according to UL  5 kA	• 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 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  short-time withstand current (SCCR) at 600 V according to UL  5 kA	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  short-time withstand current (SCCR) at 600 V according to UL  5 kA	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  short-time withstand current (SCCR) at 600 V according to UL  5 kA	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  short-time withstand current (SCCR) at 600 V according to UL  5 kA	operational current at AC according to LIL 508/LIL 60947-4-1	32 A
4-1 rated value  active power [hp] at AC at 600 V according to UL 508/UL 60947- 4-1 rated value  short-time withstand current (SCCR) at 600 V according to UL  5 kA		02 A
4-1 rated value short-time withstand current (SCCR) at 600 V according to UL 5 kA	rated value operating voltage at AC at 50/60 Hz according to UL 508/UL	
	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-	600 V
	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-	600 V 20

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)
<ul> <li>finely stranded with core end processing</li> </ul>	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
<ul> <li>finely stranded with core end processing</li> </ul>	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	
<ul> <li>4-hole front mounting</li> </ul>	No
<ul> <li>front mounting with central attachment</li> </ul>	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
General Product Approval	



Confirmation







**Miscellaneous** 

General Product Approval

**Declaration of Conformity** 

**Test Certificates** 

Marine / Shipping



CE.



Special Test Certificate





other

Environment

Miscellaneous

Confirmation

Environmental Confirmations

Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

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

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

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

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=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, ...)

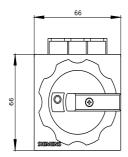
http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3LD2254-0TK53

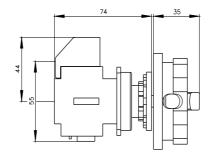
**CAx-Online-Generator** 

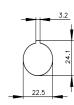
http://www.siemens.com/cax

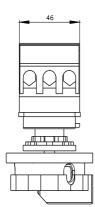
**Tender specifications** 

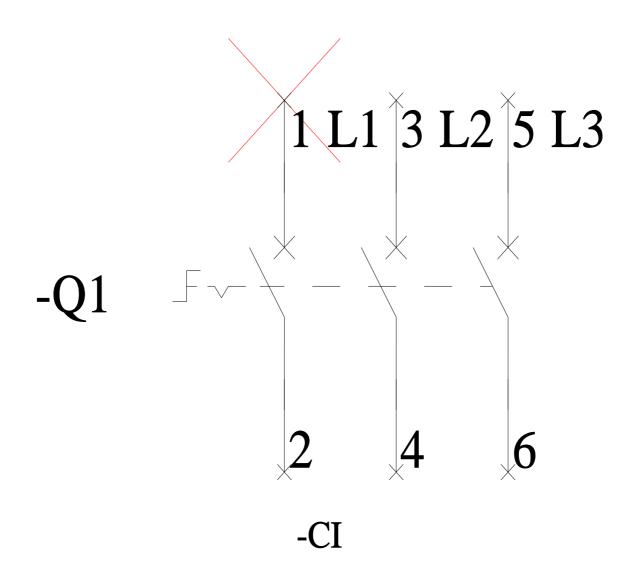
http://www.siemens.com/specifications

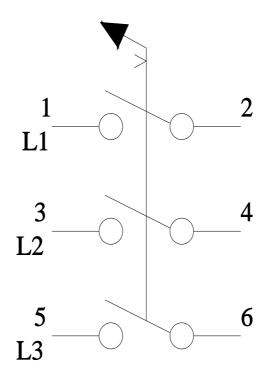












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