# **SIEMENS**

Data sheet 3LD2524-7UK01



SENTRON, Switch disconnector 3LD, change-over switch, 3-pole, lu: 63 A, Operating power / at AC-23 A at 400 V: 22 kW, front-mounted, knob-operated mechanism, black, 4-hole mounting of the handle

Model	
product brand name	SENTRON
product designation	Switch disconnector
design of the product	Selector switch
display version for switch position indicator manual operation	1 ON - 0 OFF - 2 ON
type of switch	front mounted
design of the actuating element	selector switch
color of the actuating element	black
design of handle	knob-operated mechanism, black
type of the driving mechanism motor drive	No
General technical data	
number of poles	3
size of switch disconnector	3
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	4.5 W
Main circuit	
operational current	
• at AC-21 at 690 V rated value	63 A
• at AC-21 A at 240 V rated value	63 A
• at AC-21 A at 400 V rated value	63 A
• at AC-21 A at 440 V rated value	63 A
• at AC-23 A at 400 V rated value	43 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-33 A at 400 V rated value  * at AC-33 at 400 V rated value  * at AC-33 at 400 V rated value  * at AC-33 at 500 V rated value  * at AC-34 at 500 V rated value		
a A AC-23 A at 400 V rated value a A AC-3 A at 400 V rated value b A AC-3 A at 400 V rated value b A AC-3 A at 500 V rated value b A AC-3 A at 500 V rated value b A AC-3 A at 500 V rated value b A AC-3 A at 500 V rated value b A AC-3 A at 500 V rated value b A AC-3 A at 500 V rated value b A AC-3 A at 500 V rated value b A AC-3 A at 500 V rated value b A AC-3 A at 500 V rated value b A AC-3 A at 500 V rated value b A AC-3 A at 500 V rated value b A AC-3 A at 500 V rated value b A AC-3 A at 500 V rated value c AC-3 A at 500 V rated value c AC-3 A at 500 V rated value b A AC-3 A at 500 V rated value c AC-3 A AC-3 AC-3		
# at AC-33 At at 400 V rated value   19 kW   # at AC-3 at 400 V rated value   19 kW   # at AC-3 at 400 V rated value   19 kW   # at AC-3 at 400 V rated value   19 kW   # at AC-3 at 400 V rated value   19 kW   # at AC-3 at 400 V rated value   19 kW   # at AC-3 at 400 V rated value   19 kW   # at AC-3 at 400 V rated value   19 kW   # at AC-3 at 400 V rated value   19 kW   # at AC-3 at 400 V rated value   19 kW   # at AC-3 at 400 V rated value   19 kW   # at AC-3 at 400 V rated value   19 kW   # at AC-3 at 400 V rated value   19 kW   # at AC-3 at 400 V rated value   10 kW   # at 400 V rated protection which + gG fluse maximum   10 kW   # at 400 V rated protection which + gG fluse maximum   10 kW   # at 400 V rated protection of the auxiliary contacts   10 kW   # at 400 V rated protection of the auxiliary contacts   10 kW   # at 400 V rated protection of the auxiliary contacts   10 kW   # at 400 V rated protection of the auxiliary contacts   10 kW   # at 400 V rated protection of the auxiliary contacts   10 kW   # at 400 V rated protection of the auxiliary contacts   10 kW   # at 400 V rated protection of the auxiliary co		
and AC-3 at 400 V rated value builded and AC-3 at 400 V rated value cut AC-3 at 400 V rated value Auxiliary circuit rumber of CO contacts for auxiliary contacts cut AC-3 at 400 V rated value Auxiliary circuit rumber of CO contacts for auxiliary contacts cut AC-3 at 400 V rated value Auxiliary contacts cut AC-3 at 400 V rated value Auxiliary circuit rumber of NO contacts for auxiliary contacts cut AC-3 at 400 V rated value  Department of NO contacts for auxiliary contacts cut AC-3 at 400 V rated value  Contracts for auxiliary contact at AC maximum contributions current of the auxiliary contact rated value  Statisticity  Ves cut AC-3 at 400 V rated cut AC-3 at 400 V rated value  Performed and according to the auxiliary contact rated value  Type Control default  Product defa	• at AC-23 A at 400 V rated value	
a AG-3 at 240 V rated value	• at AC-23 A at 440 V rated value	22 kW
and AC3 at 400 V rated value at AC3 at 400 V rated value building victroit runner of CO contacts for auxiliary contacts on umber of NC contacts for auxiliary contacts on umber of NC contacts for auxiliary contacts operating voltage of auxiliary contacts operating voltage of auxiliary contacts at AC maximum continuous current of the auxiliary contact rated value  attractive suitability for use analysed of auxiliary contact rated value  attractive suitability for use analysed of auxiliary contact rated value  attractive analysed of auxiliary contact rated value  attractive suitability for use analysed of auxiliary contact rated value  attractive analysed of auxiliary contact rated value  attractive analysed of auxiliary contact rated value  analysed rate rate and be locked into CFF position  analysed rate rate and be locked into CFF position  analysed rate rate value and analysed of auxiliary contacts of auxiliary contacts attachable maximum of compectable NC contacts for auxiliary contacts attachable maximum  analysed of contacts for auxiliary contacts attachable maximum with observation analysed of contacts for auxiliary contacts attachable maximum with observation and analysed of contacts for auxiliary contacts attachable maximum with observation and analysed of contacts for auxiliary contacts attachable maximum with observation and auxiliary analysed of the a	• at AC-23 A at 690 V rated value	19 kW
Auxiliary circuit  number of CC contacts for auxiliary contacts number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts operating voltage of auxiliary contacts at AC maximum continuous current of the auxiliary contact at AC maximum continuous current of the auxiliary contact rated value  8	<ul> <li>at AC-3 at 240 V rated value</li> </ul>	11 kW
Auxiliary circuit number of CO contacts for auxiliary contacts 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 rated value 0 10 A Suitability suitability for use • man switch • man switch • man switch • witch disconnector • EMERICENCY OFF awarch • man switch • man switch • witch disconnector • EMERICENCY OFF awarch • man switch • manulterance/repair switch  Product discitatis  product feature can be locked into OFF position • nother of the manulterance/repair switch  Product get statis  product feature can be locked into OFF position • No • consistories  product feature can be locked into OFF position • No • voltage trigger  number of connectable NC contacts for auxiliary contacts • voltage trigger  number of connectable NC contacts for auxiliary contacts  umber of connectable NC contacts for auxiliary contacts  umber of connectable NC contacts for auxiliary contacts  umber of connectable NC contacts for auxiliary contacts  attachable manum  Short circuit  2 triudious discontacts of contacts for auxiliary contacts  attachable manum  Short circuit  4 attachable manum  4 atta 40 V for combination switch + gG fuse maximum  4 atta 40 V for combination switch + gG fuse maximum  4 atta 40 V for combination switch + gG fuse maximum  4 atta 60 V for combination switch + gG fuse maximum  4 atta 60 V for combination switch + gG fuse maximum  4 atta 60 V for combination switch + gG fuse maximum  5 atta 60 V for combination switch + gG fuse maximum  4 atta 60 V for combination switch + gG fuse maximum  5 atta 60 V for combination switch + gG fuse maximum  6 kA  9 atta 60 V for combination switch + gG fuse maximum  10 atta 60 V for combination switch + gG fuse maximum  11 kA2.s  12 atta 60 V for combination switch + gG fuse maximum  12 kA2.s  13 kA2.s  14 cated value  15 kA2.s  16 cated consumer attact AC according to UL 508UL 608V7-41  16 cated value  17 kA2.s  18 cated consumer attact AC	<ul> <li>at AC-3 at 400 V rated value</li> </ul>	19 kW
number of NC contacts for auxiliary contacts		15 kW
number of NC contacts for auxiliary contacts or number of NC contacts for auxiliary contacts and the second of the auxiliary contact and value and the second of the auxiliary contact and value and the second of the auxiliary contact and value and the second of the auxiliary contact and value and the second of the auxiliary contact and value and the second of the auxiliary contact and value and the second of the auxiliary contact and value and the second of the	Auxiliary circuit	
number of NO contacts for auxiliary contacts at AC maximum continuous current of the auxiliary contact at at value  substitity  substititity  substitititity  substititititititititititititititititititi	number of CO contacts for auxiliary contacts	0
operating voltage of auxiliary contacts at AC maximum  continuous current of the auxiliary contact rated value  in an an switch  with switch of the auxiliary contact rated value  in an an switch  with disconnector  maintenancerepair switch  Post with disconnector  maintenancerepair switch  Post maintenancerepair switch  Post maintenancerepair switch  Product details  product feature can be locked into OFF position  motor drive  voltage trigger  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 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  number of connectable NC contacts for auxiliary contacts  attachable maximum  number of connectable NC contacts for auxiliary contacts  attachable maximum  2 that a secondary of the se	number of NC contacts for auxiliary contacts	0
continuous current of the auxiliary contact rated value  Suriability  amain switch  am	number of NO contacts for auxiliary contacts	0
suitability for use  • main switch • walk disconnector • Main Selb CNY OFF switch • safety swi	operating voltage of auxiliary contacts at AC maximum	500 V
suitability for use  main switch  main switch  main switch  switch disconnector  EMERGENCY OFF switch  safety switch  safety switch  safety switch  maintenance/repair switch  Product feature can be locked into OFF position  roudure testure can be locked into OFF position  roudure of connectable NC contacts for auxiliary contacts  roudure testure can be locked into OFF position  Roudure of connectable NC contacts for auxiliary contacts  routher of connectable NC contacts for auxiliary contacts  routher 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  Short circuit  conditional short-circuit current with line-side fuse protection  at 690 V by gG fuse rated value  for AA  at 400 V for combination switch + gG fuse maximum  at 400 V for combinatio	continuous current of the auxiliary contact rated value	10 A
• main switch • switch disconnector • EMERGENCY OFF switch • safety switch • maintenance/papir switch  Product dutalis  product feature can be locked into OFF position  No  Product dutalis  product extension optional • motor drive • notor drive • ovotage trigger  No  number of connectable NC contacts for auxiliary contacts statischable maximum  number of connectable NC contacts for auxiliary contacts statischable maximum  number of connectable OC contacts for auxiliary contacts statischable maximum  number of connectable OC contacts for auxiliary contacts statischable maximum  number of connectable OC contacts for auxiliary contacts statischable maximum  number of connectable OC contacts for auxiliary contacts statischable maximum  number of connectable OC contacts for auxiliary contacts statischable maximum  number of connectable OC contacts for suxiliary contacts statischable maximum  statischable maximum  out of the contact of the suxiliary contacts statischable maximum  out of the contact of the suxiliary contacts statischable maximum  out of the contact of the suxiliary contacts statischable maximum  out of the contact of the suxiliary contacts statischable maximum  out of the contact of the suxiliary contacts statischable maximum  out of the contact of the suxiliary contacts statischable maximum  out of the contact of the suxiliary contacts statischable maximum  out of the continuation switch + gG fuse maximum  out of the continuation switch + gG fuse maximum  out of the continuation switch + gG fuse maximum  out of the continuation switch + gG fuse maximum  out of the continuation switch + gG fuse maximum  out of the continuation switch + gG fuse maximum  out of the continuation switch + gG fuse maximum  out of the continuation switch + gG fuse maximum  out of the continuation switch + gG fuse maximum  out of the continuation switch + gG fuse maximum  out of the continuati	Suitability	
Switch disconnector  EMERGENCY OFF switch Safety S	suitability for use	
EMERGENCY OFF switch safety switch sproduct details product feature can be locked into OFF position soccessories  Product extension optional motor drive solving trigger solving safety switch solving trigger solving safety switch solving safety switch solving safety safety solving s	main switch	Yes
* safety switch Yes **     * maintenance/repair switch Yes **      * maintenance/repair switch No **      * roduct details**  product feature can be locked into OFF position No **      * accessorits**      * motor drive No **      * voltage trigger No **      * number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable NC contacts for auxiliary contacts attachable maximum some connectable NC contacts for auxiliary contacts attachable maximum some or connectable CO contacts for auxiliary contacts attachable maximum some or connectable CO contacts for auxiliary contacts attachable maximum some or connectable CO contacts for auxiliary contacts attachable maximum some or connectable CO contacts for auxiliary contacts attachable maximum some or control of the some of t	<ul> <li>switch disconnector</li> </ul>	Yes
Product feature can be locked into OFF position  Rosecossories  product extension optional	<ul> <li>EMERGENCY OFF switch</li> </ul>	No
Product details product feature can be locked into OFF position 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 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  in 600 by by GS luse rated value  sol 600 by by GS luse rated value  at 600 by by GS luse 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 450 v for combination switch + gG fuse maximum at 600 v for combination switch + gG fuse maximum at 600 v for short-circuit protection of the main circuit required fuse gL/gG: 63 A fuse	safety switch	Yes
product feature can be locked into OFF position  **Cocosorios**  product extension optional	maintenance/repair switch	Yes
product extension optional	Product details	
product extension optional	product feature can be locked into OFF position	No
wotor drive     voltage trigger     No	accessories	
wotor drive     voltage trigger     No	product extension optional	
number of connectable NC contacts for auxilliary contacts attachable maximum number of connectable NC contacts for auxilliary contacts attachable maximum number of connectable CO contacts for auxilliary contacts attachable maximum  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 480 V for combination switch + gG fuse maximum • at 890 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 590 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 maximum • 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 • for short-circuit protection of the auxiliary switch required • for shor		No
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  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 480 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 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 • 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 • 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 • 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 • 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 • for short-circuit protection of the auxiliary switch required •	voltage trigger	No
number of connectable NO contacts for auxiliary contacts attachable maximum  number of connectable CO contacts for auxiliary contacts attachable maximum  Short circuit  conditional short-circuit current with line-side fuse protection  • at 690 V by gG fuse rated value  10	number of connectable NC contacts for auxiliary contacts	2
number of connectable CO contacts for auxiliary contacts attachable maximum  Short circuit  conditional short-circuit current with line-side fuse protection  • at 690 V by g6 fuse rated value  let-through current with closed switch  • at 240 V for combination switch + g6 fuse maximum  • at 440 V for combination switch + g6 fuse maximum  • at 890 V for combination switch + g6 fuse maximum  permissible  l2t value with closed switch  • at 240 V for combination switch + g6 fuse maximum  • at 890 V for combination switch + g6 fuse maximum  • at 440 V for combination switch + g6 fuse maximum  • at 890 V for combination switch + g6 fuse maximum  • at 690 V for combination switch + g6 fuse maximum  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  • for short-circuit protection of the auxiliary switch required  • perating ourrent of upstream fuse rated value  according UL  poperational 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  short-time withstand current (SCCR) at 600 V according to UL  short-time withstand current furse according to UL rated value  short-time withstand current furse according to UL rated value  type of fuse according to UL  RK5	number of connectable NO contacts for auxiliary contacts	2
Short circuit  conditional short-circuit current with line-side fuse protection  • at 690 V by g6 fuse rated value  let-through current with closed switch  • at 240 V for combination switch + g6 fuse maximum  • at 440 V for combination switch + g6 fuse maximum  • at 490 V for combination switch + g6 fuse maximum  • at 690 V for combination switch + g6 fuse maximum  permissible  12t value with closed switch  • at 240 V for combination switch + g6 fuse maximum  • at 440 V for combination switch + g6 fuse maximum  • at 440 V for combination switch + g6 fuse maximum  • at 440 V for combination switch + g6 fuse maximum  • at 690 V for combination switch + g6 fuse maximum  21 kA2.s  • at 690 V for combination switch + g6 fuse maximum  21 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  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 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  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  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  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  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  active power [hp] at AC at 600 V according to UL 508/	number of connectable CO contacts for auxiliary contacts	0
conditional short-circuit current with line-side fuse protection  • at 690 V by gG fuse rated value  10 through current with closed switch  • at 240 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 690 V for combination switch + gG fuse maximum  • at 690 V for combination switch + gG fuse maximum  permissible  12t value with closed switch  • at 240 V for combination switch + gG fuse maximum  at 440 V for combination switch + gG fuse maximum  21 kA2.s  • at 440 V for combination switch + gG fuse maximum  21 kA2.s  • at 690 V for combination switch + gG fuse maximum  21 kA2.s  • at 690 V for combination switch + gG fuse maximum  21 kA2.s  • at 690 V for combination switch + gG fuse maximum  21 kA2.s  • at 690 V for combination switch + gG fuse maximum  41 kA2.s  • at 690 V for combination switch + gG fuse maximum  51 kA2.s  • at 690 V for combination switch + gG fuse maximum  52 kA2.s  • at 690 V for combination switch + gG fuse maximum  63 A  • for short-circuit protection of the main circuit required  • fuse gL/gG: 63 A  • for short-circuit protection of the auxiliary switch required  • fuse gL/gG: 10 A  operational current of upstream fuse rated value  63 A  according UL  operational current at AC according to UL 508/UL 60947-4-1  active power [hp] 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  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  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  active power [hp] at AC at 600 V according to UL 508/UL 60947-  4-1 rated value  active po		
ett-through current with closed switch ett-through current with closed switch ett 240 V for combination switch + gG fuse maximum ett 440 V for combination switch + gG fuse maximum ett 6 kA ett 690 V for combination switch + gG fuse maximum permissible  12t value with closed switch ett 240 V for combination switch + gG fuse maximum ett 440 V for combination switch + gG fuse maximum ett 440 V for combination switch + gG fuse maximum ett 690 V for combination switch + gG fuse maximum ett 690 V for combination switch + gG fuse maximum ett 690 V for combination switch + gG fuse maximum ett 690 V for combination switch + gG fuse maximum ett 690 V for combination switch + gG fuse maximum ett 690 V for short-circuit protection of the main circuit required fuse gL/gG: 63 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  short-time withstand current (SCCR) at 600 V according to UL 508/UL 60947- 4-1 rated value  short-time withstand current (SCCR) at 600 V according to UL 508/UL 60947- continuous current of upstream fuse according to UL rated value  type of fuse according to UL  RK5		
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  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  • 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  • fuse gL/gG: 63 A  • for short-circuit protection of the auxiliary switch required  • as a gardinal current of upstream fuse rated value  63 A  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  -1 rated value  active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1  cative power [hp] at AC at 600 V according to UL 508/UL 60947-4-1  continuous current of upstream fuse according to UL 75 kA  bype of fuse according to UL  RK5	·	
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 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 240 V for combination switch + gG fuse maximum at 400 V for combination switch + gG fuse maximum at 6 kA  Example 12t value with closed switch at 240 V for combination switch + gG fuse maximum at 400 V for combination switch + gG fuse maximum at 6 kA  Example 21 kA2.s  at 690 V for combination switch + gG fuse maximum at 6 kA  Example 21 kA2.s  at 690 V for combination switch + gG fuse maximum at 6 kA  Example 21 kA2.s  at 690 V for combination switch + gG fuse maximum at 6 kA  Example 21 kA2.s  at 690 V for combination switch + gG fuse maximum at 6 kA  Example 21 kA2.s  at 690 V for combination switch + gG fuse maximum at 6 kA  Example 21 kA2.s  at 690 V for combination switch + gG fuse maximum at 6 kA  Example 21 kA2.s  at 690 V for combination switch + gG fuse maximum at 6 kA  Example 22 kA2.s  at 690 V for combination switch + gG fuse maximum at 6 kA  Example 22 kA2.s  at 690 V for combination switch + gG fuse maximum at 6 kA  Example 22 kA2.s  at 690 V for short-circuit protection of the main circuit required fuse gL/gG: 63 A  fuse gL/gG: 60 A  fuse gL/gG: 63 A  fuse gL/gG: 60 A		50 kA
at 440 V for combination switch + gG fuse maximum at 6 kA  at 690 V for combination switch + gG fuse maximum permissible  12t value with closed switch  at 240 V for combination switch + gG fuse maximum 21 kA2.s  at 440 V for combination switch + gG fuse maximum 21 kA2.s  at 690 V for combination switch + gG fuse maximum 21 kA2.s  at 690 V for combination switch + gG fuse maximum 41 kA2.s  at 690 V for combination switch + gG fuse maximum 42 fuse gL/gG: 63 A for short-circuit protection of the main circuit required 43 fuse gL/gG: 10 A  44 operational current of upstream fuse rated value 45 according UL  463 A  according UL  463 A  according voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 arted value  active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 arted value  active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 arted value  short-time withstand current (SCCR) at 600 V according to UL 508/UL 60947-4-1 continuous current of upstream fuse according to UL rated value  175 A type of fuse according to UL  RK5		
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 4890 V for combination switch + gG fuse maximum  21 kA2.s  at 690 V for combination switch + gG fuse maximum  21 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  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  type of fuse according to UL  RK5	-	
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  21 kA2.s  • at 690 V for combination switch + gG fuse maximum  21 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  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  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  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  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  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  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  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  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 60	-	
<ul> <li>at 240 V for combination switch + gG fuse maximum</li> <li>at 440 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>21 kA2.s</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>21 kA2.s</li> <li>design of the fuse link</li> <li>for short-circuit protection of the main circuit required</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>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>short-time withstand current (SCCR) at 600 V according to UL 508/UL 60947-4-1 continuous current of upstream fuse according to UL rated value</li> <li>short-time withstand current fuse according to UL rated value</li> <li>type of fuse according to UL</li> <li>RK5</li> </ul>		6 kA
at 440 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum 21 kA2.s  design of the fuse link  • for short-circuit protection of the main circuit required fuse gL/gG: 63 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  short-time withstand current (SCCR) at 600 V according to UL 508/UL 60947-4-1 rated value  short-time withstand current (SCCR) at 600 V according to UL rated value  type of fuse according to UL  RK5	I2t value with closed switch	
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 arated value  short-time withstand current (SCCR) at 600 V according to UL 508/UL 60947-4-1 continuous current of upstream fuse according to UL rated value  121 kA2.s  41 kA2.s  42 kA2.s  43 kA2.s  44 kA2.s  45 kA2.s  46 kA2.s  46 kA2.s  47 kA2.s  48 kB kA2.s  48 kA2.s  48 kB kA2.s  48 kB kA2.s  48 kA2.s  48 kB kB kA2.s  48 kB kB kA2.s  48 kB kB kA2.s  48 kB	• at 240 V for combination switch + gG fuse maximum	21 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  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 508/UL 60947-4-1 continuous current of upstream fuse according to UL rated value  type of fuse according to UL  RK5	• at 440 V for combination switch + gG fuse maximum	21 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  short-time withstand current (SCCR) at 600 V according to UL 508/UL 60947-4-1  continuous current of upstream fuse according to UL rated value  type of fuse according to UL  RK5	• at 690 V for combination switch + gG fuse maximum	21 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 short-time withstand current (SCCR) at 600 V according to UL 508/UL 60947-4-1 continuous current of upstream fuse according to UL rated value  type of fuse according to UL  RK5	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  short-time withstand current (SCCR) at 600 V according to UL 508/UL 60947-4-1  continuous current of upstream fuse according to UL rated value  type of fuse according to UL  RK5	• for short-circuit protection of the main circuit required	fuse gL/gG: 63 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 508/UL 60947-4-1  continuous current of upstream fuse according to UL rated value  type of fuse according to UL  RK5	• 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 508/UL 60947-4-1  continuous current of upstream fuse according to UL rated value  type of fuse according to UL  RK5	operational current of upstream fuse rated value	63 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 508/UL 60947-4-1  continuous current of upstream fuse according to UL rated value  type of fuse according to UL  RK5	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 508/UL 60947-4-1  continuous current of upstream fuse according to UL rated value  type of fuse according to UL  RK5		63 A
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 508/UL 60947-4-1  continuous current of upstream fuse according to UL rated value  type of fuse according to UL  RK5	operating voltage at AC at 50/60 Hz according to UL 508/UL	600 V
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 508/UL 60947-4-1  continuous current of upstream fuse according to UL rated value type of fuse according to UL  RK5	active power [hp] at AC at 480 V according to UL 508/UL 60947-	40
short-time withstand current (SCCR) at 600 V according to UL 508/UL 60947-4-1  continuous current of upstream fuse according to UL rated value type of fuse according to UL  S kA  175 A  RK5	active power [hp] at AC at 600 V according to UL 508/UL 60947-	50
continuous current of upstream fuse according to UL rated value  type of fuse according to UL  RK5	short-time withstand current (SCCR) at 600 V according to UL	5 kA
· · · · · · · · · · · · · · · · · · ·		175 A
Connections	type of fuse according to UL	RK5
	Connections	

AWG number as coded connectable conductor cross section solid maximum		
•	6	
•	14	
type of connectable conductor cross-sections for copper conductor		
• solid	1x (2,535mm²)	
<ul> <li>finely stranded with core end processing</li> </ul>	1x (2.516 mm²)	
• stranded	1x (2,535mm²)	
type of connectable conductor cross-sections for auxiliary contacts		
• solid	lateral auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)	
• finely stranded with core end processing	lateral auxiliary switch 2x (0,75 1,5mm²), 1x 2,5mm²; front auxiliary switch 1x 2,5mm²	
• stranded	lateral auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)	
type of electrical connection		
for main current circuit	box terminal	
<ul> <li>for auxiliary contacts</li> </ul>	connection terminals	
Mechanical Design		
height	85 mm	
width	121 mm	
depth	118.5 mm	
type of device	fixed mounting	
fastening method	Built-in unit fixed-mounted version	
fastening method		
<ul> <li>4-hole front mounting</li> </ul>	Yes	
<ul> <li>front mounting with central attachment</li> </ul>	No	
rail mounting	No	
net weight	740 g	
Environmental conditions		
ambient temperature during operation		
• minimum	-25 °C	
maximum	55 °C	
ambient temperature during storage		
• minimum	-25 °C	
• maximum	55 °C	
Approvals Certificates		

## General Product Approval





Confirmation







General	<b>Product</b>	<b>Approval</b>
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Marine / Shipping

other

Environment

Miscellaneous





Confirmation

**Miscellaneous** 

Environmental Con-firmations

### Environment

Environmental Con-firmations

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=3LD2524-7UK01

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3LD2524-7UK01

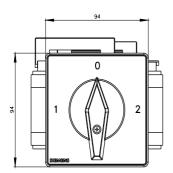
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3LD2524-7UK01

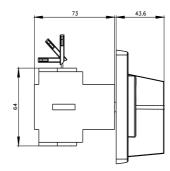
CAx-Online-Generator

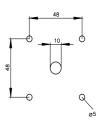
http://www.siemens.com/cax

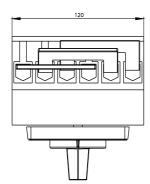
**Tender specifications** 

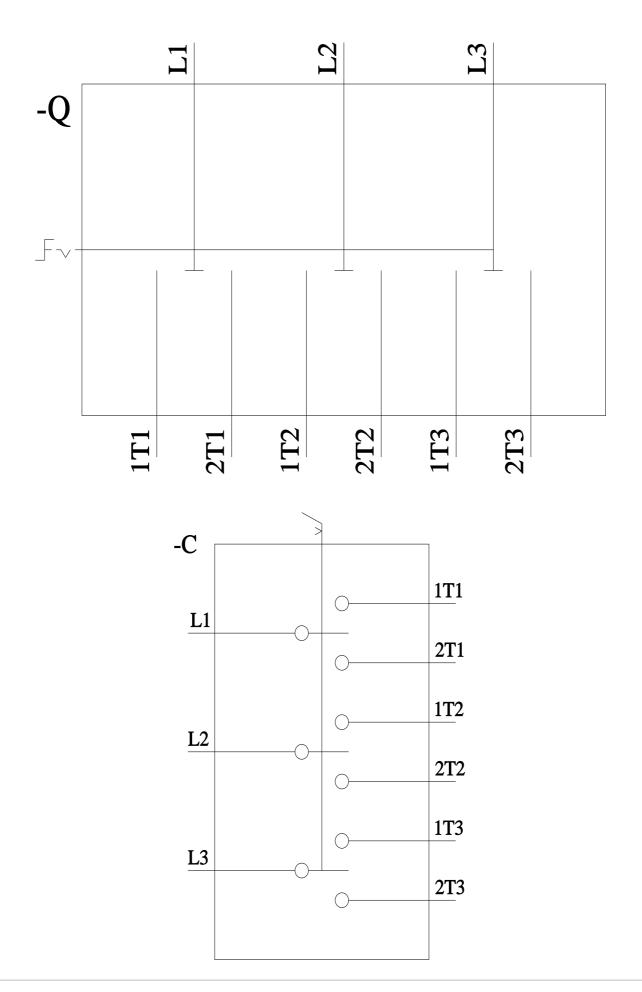
http://www.siemens.com/specifications











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