## **SIEMENS**

Data sheet 3LD5410-0TL11



SENTRON, Molded case switch 3LD5 UL, Main switch, 4-pole, certified according to UL489 UL60947-4-1 and IEC60947-3, UL: 100A, SCCR 65kA at 480VAC, Operating power at 480VAC 3-phase: 60hp, IEC: 100A, Operating power at AC-23A at 400V: 45kW, floor mounting with door coupling rotary operating mechanism, defeatable, Standard, 4-hole mounting of the handle, without tolerance compensation, incl. terminal covers for the infeed side

Model		
product brand name	SENTRON	
product designation	3LD UL switch disconnector	
design of the product	Main switch	
display version / for switch position indicator manual operation	1 ON - 0 OFF	
design of the actuating element	door-coupling rotary operating mechanism	
design of handle	rotary operating mechanism, black	
type of the driving mechanism / motor drive	No	
General technical data		
number of poles	4	
type of device	fixed mounting	
type of switch	Floor mounting with door coupling	
size of switch disconnector	3	
mechanical service life (switching cycles) / typical	100 000	
electrical endurance (switching cycles)		
• at AC-23 A / at 690 V	6 000	
I2t value / with closed switch / at 690 V / for combination switch + gG fuse / maximum	223 kA2.s	
let-through I2t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum	223 kA2.s	
operating frequency / maximum	50 1/h	
Voltage		
insulation voltage / rated value	690 V	
surge voltage resistance / rated value	6 kV	
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]		
<ul> <li>for rated value of the current / at AC / in hot operating state / per pole</li> </ul>	36 W	
<ul> <li>per conductor / typical</li> </ul>	36 W	
Current		
operational current		
at 40 °C / rated value	100 A	
• at 45 °C / rated value	100 A	
<ul><li>at 50 °C / rated value</li></ul>	100 A	
• at 55 °C / rated value	100 A	

* all AC/23 A/ all 400 V rated value		
	at AC / rated value	100 A
e al AC-21 A / at 240 V rated value ent AC-21 A / at 440 V rated value operational current / of upstream fuse / rated value let-friugh current / with obsed switch exist 440 V for combination switch + gG fuse / maximum ent at 600 V for combination switch + gG fuse / maximum ent fuse fuse fuse fuse / maximum ent fuse fuse fuse fuse / maximum ent fuse fuse fuse fuse fuse / maximum permissible  Main circuit  Operating power ent AC-23 A / at 240 V rated value ent AC-23 A / at 240 V rated value ent AC-23 A / at 400 V rated value ent AC-33 A / at 690 V rated value ent AC-33 A / at 690 V rated value ent AC-33 A / at 240 V rated value ent AC-33 at 250 V rated value ent AC-34 at 250 V rated value ent AC-35 v rated value ent AC-36 v rated value ent AC-36 v rated value ent AC-37		
and AC-21 A flat 440 V fracted value persitional current V with closed switch at 440 V for combination switch 4 gG fuse / maximum at 690 V for combination switch 4 gG fuse / maximum at 690 V for combination switch 4 gG fuse / maximum permissible  Mish circuit  operating power  at AC-23 A flat 440 V rated value at AC-31 at 460 V rated value be at AC-31 at 460 V rated value at AC-31 at 460 V rated value be at AC-31 at 660 V rated value be at AC-31 at 66		
operational current / of upstream tise / rated value  let through current / with closed switch		
International content / With Clased switch   gG fuse / maximum   ear 69.0 V/ for combination switch + gG fuse / maximum permissible   If kA		100.1
and 440 V/ for combination switch + gG fuse / maximum at 1890 V/ for combination switch + gG fuse / maximum permissible  Main circuit  Operating power at AC-23 A / at 240 V / rated value at AC-23 A / at 240 V / rated value at AC-23 A / at 240 V / rated value at AC-3 A / at 240 V / rated value at AC-3 / at 240 V / rated value at AC-3 / at 240 V / rated value at AC-3 / at 240 V rated value at AC-3 / at 690 V rated value a		125 A
maximum entities and a same and a	9	
### ### ##############################	•	16 kA
maximum permissible Main circuit  operating power  • at AC-23 A / at 4240 V / rated value • at AC-23 A / at 4240 V / rated value • at AC-23 A / at 4260 V / rated value • at AC-23 A / at 490 V / rated value • at AC-33 / at 490 V / rated value • at AC-33 / at 490 V / rated value • at AC-33 / at 490 V / rated value • at AC-33 / at 490 V / rated value • at AC-33 / at 490 V / rated value • at AC-33 / at 490 V / rated value • at AC-33 / at 490 V / rated value  Operational current / rated value  Operational current / rated value  Operational current / rated value  Operating vorticates / for auxiliary contacts  Operating vorticates / for auxiliary contacts / at AC / maximum  Continuous current / of the auxiliary contact / rated value  Solo V  Suitability for use  • main switch  • winch disconnector  • EMERGENOY OF F switch  • winch disconnector  • EMERGENOY OF F switch  • was afterly switch  • and the auxiliary switch  Ves  - was afterly switch  • and the auxiliary switch  • yes  - safety switch  • and the auxiliary switch  • yes  - unumber of bracket locks / maximum  3 ansp thickness of of the bracket locks / maximum  Ansp thickness of of the bracket locks / maximum  product extension / optional  • can be locked into OFF position  • can be locked into OFF position  • at 440 V / by GF fuse / rated value  • voltage trigger  Short circuit  conditional short-circuit current / with line-side fuse product extension / optional  • at 490 V / by GF fuse / rated value  • at 890 V / by GF fuse / rated value  operational current / at AC / according to UL  Operational current / at AC / according to UL  Operational current / at AC / at 50:00 Hz / according to UL  Operational current / at AC / at 50:00 Hz / according to UL  Operational current / at AC / at 50:00 Hz / according to UL  Operational curren		15 kA
operating power  • at AC-23 A / at 440 V / rated value • at AC-23 A / at 440 V / rated value • at AC-32 A / at 460 V / rated value • at AC-31 A / at 290 V / rated value • at AC-31 A / at 490 V / rated value • at AC-31 A / at 690 V / rated value • at AC-31 at 690 V / rated value • at AC-31 at 690 V / rated value • at AC-31 at 690 V / rated value  operational current / rated value  operational current / rated value  operation of NC contacts / for auxiliary contacts  operating or Occurates / for auxiliary contacts  operation of Occurates / for auxiliary contacts  operation		13 144
operating power  • at AC-23 A / at 440 V / rated value • at AC-23 A / at 440 V / rated value • at AC-32 A / at 460 V / rated value • at AC-31 A / at 290 V / rated value • at AC-31 A / at 490 V / rated value • at AC-31 A / at 690 V / rated value • at AC-31 at 690 V / rated value • at AC-31 at 690 V / rated value • at AC-31 at 690 V / rated value  operational current / rated value  operational current / rated value  operation of NC contacts / for auxiliary contacts  operating or Occurates / for auxiliary contacts  operation of Occurates / for auxiliary contacts  operation	Main circuit	
at AC-23 A / at 440 V / rated value at AC-23 A / at 450 V / rated value at AC-30 A / at 450 V / rated value at AC-31 At 240 V / rated value 30 kW at AC-31 at 240 V / rated value 30 kW at AC-31 at 240 V / rated value 30 kW operational current / rated value 100 A  Auxiliary circuit number of CO contacts / for auxiliary contacts number of NC contacts / for auxiliary contacts number of NC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 continuous current / of the auxiliary contacts / rated value insulation voltage / of the suxiliary switch / rated value insulation voltage / of the suxiliary switch / rated value insulation voltage / of the suxiliary switch / rated value insulation voltage / of the suxiliary switch / rated value insulation voltage / of the suxiliary switch / rated value  **Main switch**  **Yes**  **MERGENCY OFF switch**  **Switch Misconnector**  **EMERGENCY OFF switch**  **Switch Misconnector**  **Pes**  **BUERGENCY OFF switch**  **Color / of the actuating element**  **Product defails**  **product defails**  **product defails**  **product defails**  **product feature**  **ean be locked into OFF position**  **number of bracket locks / maximum**  **sape hischess of of the bracket locks / maximum**  **sape hischess of of the bracket locks / maximum**  **sape hischess of of the bracket locks / maximum**  **sape hischess of of the bracket locks / maximum**  **sape hischess of of the bracket locks / maximum**  **sape hischess of of the bracket locks / maximum**  **sape hischess of of the bracket locks / maximum**  **sape hischess of of the bracket locks / maximum**  **sape hischess of of the bracket locks / maximum**  **sape hischess of of the bracket locks / maximum**  **sape hischess of of the bracket locks / maximum**  **sape hischess of of the bracket locks / maximum**  **sape hischess of of the bracket locks / maximum**  **sape hischess of the bracket locks / maximum**  **sape hischess of the bracket locks / maximum**  **sape hischess of the bracket locks / maximu		
• at AC-23 A / at 480 V / rated value 37 kW  • at AC-33 A / at 400 V / rated value 30 kW  • at AC-31 at 240 V / rated value 45 kW  • at AC-31 at 500 V / rated value 30 kW  • at AC-31 at 500 V / rated value 45 kW  • at AC-31 at 500 V / rated value 100 A  Auxiliary circuit		30 kW
• at AC-23 A / at 690 V / rated value • at AC-31 at 240 V / rated value • at AC-31 at 400 V / rated value • at AC-31 at 690 V / rated value • at AC-31 at 690 V / rated value  • at AC-31 at 690 V / rated value  • at AC-31 at 690 V / rated value  • at AC-31 at 690 V / rated value  • at AC-31 at 690 V / rated value  for Contracts / for auxiliary contacts  number of CO contacts / for auxiliary contacts  number of NO contacts / for auxiliary contacts  operating valuage / of auxiliary contacts / at AC / maximum  operating valuage / of auxiliary contact / rated value  insulation valuage / of the auxiliary switch / rated value  suitability  suitability  suitability  suitability  suitability  suitability  safety switch • switch disconnector • EMERGENCY OFF switch • smin switch • safety switch • maintenance/repair switch  Appearance  color / of the actualing element  product feature • can be locked into OFF position  number of bracket locks / maximum  hasp thickness / of the bracket locks / minimum  hasp thickness / of the bracket locks / minimum  hasp thickness / of the bracket locks / minimum  hasp thickness / of the bracket locks / minimum  hasp thickness / of the bracket locks / maximum  product extension / optional • motor drive • valuage trigger  No  Short circuit  conditional short-circuit current / with line-side fuse protection • at 440 V / by gG fuse / rated value • at 690 V / by gG fuse / rated value • at 690 V / by gG fuse / rated value  operating valuage / at AC / at 50/60 Hz / according to UL  480 V  480 V  480 V		
• at AC-3 / at 240 V / rated value 45 kW 5 at AC-3 / at 500 V / rated value 45 kW 5 at AC-3 / at 500 V / rated value 45 kW 5 kW 5 at AC-3 / at 500 V / rated value 40 kW 5 kW		
at AC-3 / at 400 V / rated value at AC-3 / at 690 V / rated value 30 kW  poerational current / rated value 100 A  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 number of NC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 0 operating voltage / of the auxiliary contact / rated value  insulation voltage / of the auxiliary switch / rated value  **Suitability**  **Suitability**  **Suitability**  **Suitability**  **Suitability**  **Suitability*  **Yes  **Suitability*		30 kW
at AC-3 / at 690 V / rated value operational current / rated value  Auxiliary circuit number of CO contacts / for auxiliary contacts  number 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 operating voltage / of the auxiliary contact / rated value  operating voltage / of the auxiliary contact / rated value  operating voltage / of the auxiliary contact / rated value  operating voltage / of the auxiliary contact / rated value  operating voltage / of the auxiliary switch / rated value  switch disconnector  emain switch operating voltage / of the auxiliary switch / rated value  operating voltage / of the auxiliary switch / rated value  operating voltage / of the auxiliary switch / rated value  operating voltage / of the auxiliary switch / rated value  operating voltage / of the auxiliary switch / rated value  operating voltage / of the value / voltage rated value  operating voltage / of voltage rated value  operating voltage / at AC / according to UL  deb / rated value  operating voltage / at AC / according to UL  deb / rated value  operating voltage / at AC / according to UL  deb / rated value  operating voltage / at AC / according to UL  deb / rated value  operating voltage / at AC / according to UL  deb / rated value  operating voltage / at AC / according to UL  deb / rated value  operating voltage / at AC / according to UL  deb / rated value  operating voltage / at AC / according to UL  deb / rated value  operating voltage / at AC / according to UL  deb / rated value  operating voltage / at AC / according to UL  deb / rated value  operating voltage / at AC / according to UL  deb / rated value  operating voltage / at AC / according to UL  deb / rated value		
operational current / rated value 100 A Auxiliary circuit		
Auxiliary circuit number of CO 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 switch / rated value insulation voltage / of the auxiliary switch / rated value  Suitability suitability suitability for use main switch switch disconnector HEMERGENCY OFF switch safety switch safety switch safety switch safety switch safety switch asafety switch safety switch yes maintenance/repair switch Yes  Product details  record details sproduct details sproduct details sproduct details sproduct switch switch insumm special product feature defeatable door-coupling handle product extension / optional motor drive voltage trigger No  Short circuit conditional short-circuit current / with line-side fuse protection at 440 V by gG fuse / rated value steed of the safety of the safe		
number of CO contacts / for auxiliary contacts  number 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  insulation voltage / of the auxiliary switch / rated value  solve / voltage / of the auxiliary switch / rated value  suitability  suitability  suitability  suitability for use  main switch  switch disconnector  EMERGENCY OFF switch  safety switch  safety switch  safety switch  can be locked into OFF position  number of bracket locks / maximum  shasp thickness / of the bracket locks / minimum  sapetial product feature  conduct reature  product detains  product extension / optional  masp thickness / of the bracket locks / minimum  special product feature  defeatable door-coupling handle  product extension / optional  motor drive  voltage frigger  No  Short circuit  conditional short-circuit current / with line-side fuse  protection  at 440 V / by gG fuse / rated value  solve / solve / rated value  operating voltage / at AC / according to UL 489/UL  operational current / at AC / according to UL 508/UL  solve / rated value  operating voltage / at AC / at 50/60 Hz / according to UL  480 V rated value  operating voltage / at AC / at 50/60 Hz / according to UL  480 V rated value  operating voltage / at AC / at 50/60 Hz / according to UL  deperating voltage / at AC / at 50/60 Hz / according to UL  deperating voltage / at AC / at 50/60 Hz / according to UL  deperating voltage / at AC / at 50/60 Hz / according to UL  deperating voltage / at AC / at 50/60 Hz / according to UL  deperating voltage / at AC / according to UL  deperating voltage / at AC / according to UL  deperating voltage / at AC / according to UL  deperating voltage / at AC / according to UL  deperating voltage / at AC / according to UL  deperating voltage / at AC / according to UL  deperating voltage / at AC / according to UL		
number of NC contacts / for auxiliary contacts 0 number of NO contacts / for auxiliary contacts 0 operating voltage / of auxiliary contacts / at AC / maximum continuous current / of the auxiliary switch / rated value insulation voltage / of the auxiliary switch / rated value southing voltage / of the auxiliary switch / rated value suitability suitability suitability suitability suitability for use  • main switch • switch disconnector • EMERGENCY OFF switch • switch disconnector • EMERGENCY OFF switch • safety switch • safety switch • safety switch • maintenance/repair switch  Appearanco color / of the actuating element  Product details  product feature • can be locked into OFF position number of bracket locks / maximum 3 hasp thickness / of the bracket locks / minimum 5 mm hasp thickness / of the bracket locks / maximum 7.5 mm hasp thickness / of the bracket locks / maximum pspecial product feature • voltage trigger No  Short circuit conditional short-circuit current / with line-side fuse protection • at 440 V / by gG fuse / rated value • at 690 V / by gG fuse / rated value • poerating voltage / at AC / according to UL 489/UL 60047-4-1 / rated value operating voltage / at AC / at 50/60 Hz / according to UL 480 V rated value operating voltage / at AC / at 50/60 Hz / according to UL 480 V rated value operating voltage / at AC / at 50/60 Hz / according to UL 608UL 60847-4-1 / rated value operating voltage / at AC / at 50/60 Hz / according to UL 608UL 60847-4-1 / rated value operating voltage / at AC / at 50/60 Hz / according to UL 608UL 60847-4-1 / rated value		0
number of NO contacts / for auxiliary contacts operating voltage / of auxiliary contacts / at AC / maximum continuous current / of the auxiliary contact / rated value insulation voltage / of the auxiliary switch / rated value insulation voltage / of the auxiliary switch / rated value 500 V  Suitability suitability suitability for use		
operating voltage / of auxiliary contacts / at AC / maximum continuous current / of the auxiliary contact / rated value insulation voltage / of the auxiliary switch / rated value  Suitability suitability suitability suitability for use  • main switch • switch disconnector • EMERGENCY OFF switch • safety switch • raininenance/repair switch • safety switch • raininenance/repair switch  Appearance color / of the actuating element  Product details  Product details  Product details  - can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum special product feature  product extension / optional • motor drive • voltage trigger  No  Short circuit conditional short-circuit current / with line-side fuse protection • at 440 V / by gG fuse / rated value  parational current / at AC / according to UL 489/UL operational current / at AC / according to UL 489/UL 60947-4-1 / rated value  operating voltage / at AC / at 50/60 Hz / according to UL 489 / rated value  operating voltage / at AC / at 50/60 Hz / according to UL 480 V rated value  operating voltage / at AC / at 50/60 Hz / according to UL 480 V rated value  operating voltage / at AC / at 50/60 Hz / according to UL 480 V rated value  operating voltage / at AC / at 50/60 Hz / according to UL 480 V rated value  operating voltage / at AC / at 50/60 Hz / according to UL 480 V rated value  operating voltage / at AC / at 50/60 Hz / according to UL 480 V rated value	·	
continuous current / of the auxiliary contact / rated value insulation voltage / of the auxiliary switch / rated value  Sultability  sultability for use  • main switch • switch disconnector • EMERGENCY OFF switch • safety switch • can be locked into OFF position number of bracket locks / maximum 3 hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum  special product feature  product extension / optional • motor drive • voltage trigger  No  Short circuit  conditional short-circuit current / with line-side fuse protection • at 440 V / by gG fuse / rated value • at 690 V / by gG fuse / rated value  sperational current / at AC / according to UL 489 / rated value  operating voltage / at AC / at 50/60 Hz / according to UL 480 V rated value  operating voltage / at AC / at 50/60 Hz / according to UL 480 V 508UL 60947-4-1 / rated value  operating voltage / at AC / at 50/60 Hz / according to UL 480 V 508UL 60947-4-1 / rated value  operating voltage / at AC / at 50/60 Hz / according to UL 480 V 508UL 60947-4-1 / rated value  operating voltage / at AC / at 50/60 Hz / according to UL 480 V		
insulation voltage / of the auxiliary switch / rated value  Suitability  suitability  suitability for use  • main switch  • switch disconnector  • EMERGENCY OFF switch  • safety switch  • safety switch  • maintenance/repair switch  Appearance  color / of the actuating element  Product details  product feature  • can be locked into OFF position  number of bracket locks / maximum  3 hasp thickness / of the bracket locks / minimum  hasp thickness / of the bracket locks / maximum  special product seture  product extension / optional  • motor drive  • voltage trigger  Short circuit  conditional short-circuit current / with line-side fuse protection  • at 440 V / by gG fuse / rated value  • at 690 V / by gG fuse / rated value  operational current / at AC / according to UL 489/UL  60947-4-1 / rated value  operating voltage / at AC / at 50/60 Hz / according to UL  480 V  508/UL 60947-4-1 / rated value  480 V  508/UL 60947-4-1 / rated value  480 V		
Suitability  suitability or use  • main switch • switch disconnector • EMERGENCY OFF switch • safety switch • safety switch • safety switch • maintenance/repair switch  Appearance color / of the actuating element  Product details  product feature • can be locked into OFF position number of bracket locks / maximum 3 hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum 7.5 mm special product feature  product extension / optional • motor drive • voltage trigger  Short circuit  conditional short-circuit current / with line-side fuse protection • at 140 V / by gG fuse / rated value • at 690 V / by gG fuse / rated value  poperating voltage / at AC / according to UL 489/UL 60947-4-1 / rated value  operational current / at AC / according to UL 489 / rated value  operating voltage / at AC / at 50/60 Hz / according to UL 480 V 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 50/60 Hz / 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  operating voltage / at AC / at 50/60 Hz / 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	·	
suitability for use  • main switch • switch disconnector • EMERGENCY OFF switch • safety switch  Appearance color / of the actuating element gray  Product details  product details  product feature • can be locked into OFF position number of bracket locks / maximum 3 hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum special product feature  product extension / optional • motor drive • voltage trigger  No  Short circuit  conditional short-circuit current / with line-side fuse protection • at 440 V / by gG fuse / rated value • at 690 V / by gG fuse / rated value  poperational current / at AC / according to UL 489/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 489 / rated value  operating voltage / at AC / at 50/60 Hz / according to UL 480 V 480 V 480 V		300 V
main switch switch disconnector EMERGENCY OFF switch notes afterly switch safety switch maintenance/repair switch  Appearance color / of the actuating element  Product details product feature can be locked into OFF position nasp thickness / of the bracket locks / maximum special product feature  product estension / optional motor drive notor drive votage trigger  No  Short circuit  conditional short-circuit current / with line-side fuse protection at 440 V / by gG fuse / rated value poperational current / at AC / according to UL 489/UL coperational current / at AC / according to UL 489/UL coperating voltage / at AC / at 50/60 Hz / according to UL 480 V / rated value  operating voltage / at AC / at 50/60 Hz / according to UL 480 V / 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 50/60 Hz / 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  operating voltage / at AC / at 50/60 Hz / 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  operating voltage / at AC / at 50/60 Hz / 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		
Switch disconnector  EMERGENCY OFF switch  safety switch  maintenance/repair switch  Yes  Appearanco  color / of the actuating element  Product details  product feature  • can be locked into OFF position number of bracket locks / maximum  hasp thickness / of the bracket locks / minimum  special product feature  product extension / optional  • motor drive  • voltage trigger  Short circuit  conditional short-circuit current / with line-side fuse protection  • at 440 V / by gG fuse / rated value  • at 690 V / by gG fuse / rated value  sperational current / at AC / according to UL 489/UL 60947-4-1 / rated value  operating voltage / at AC / at 50/60 Hz / according to UL 489 / rated value  operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value  480 V  480 V  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  operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value  480 V  508/UL 60947-4-1 / rated value  480 V  480 V	· ·	Voc
EMERGENCY OFF switch safety switch safety switch smintenance/repair switch Yes  Appoarance color / of the actuating element  Product details  product feature sean be locked into OFF position number of bracket locks / maximum 3 hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum 3 hasp thickness / of the bracket locks / maximum yecial product feature product feature endor drive voltage trigger No  Short circuit  conditional short-circuit current / with line-side fuse protection at 440 V / by gG fuse / rated value seat 30 kA  according UL operational current / at AC / according to UL 489/UL 60947-4-1 / rated value operating voltage / at AC / at 50/60 Hz / according to UL 480 V 480 V 50/8/UL 60947-4-1 / rated value operating voltage / at AC / at 50/60 Hz / according to UL 50/8/UL 60947-4-1 / rated value  480 V		
* safety switch     * maintenance/repair switch     Yes  Appearance  color / of the actuating element  Product details  product feature     * can be locked into OFF position     number of bracket locks / maximum     3     hasp thickness / of the bracket locks / minimum     hasp thickness / of the bracket locks / maximum     3     refeatable door-coupling handle  product extension / optional     * motor drive     * voltage trigger  Short circuit  conditional short-circuit current / with line-side fuse protection     * at 440 V / by gG fuse / rated value     * at 690 V / by gG fuse / rated value  operational current / at AC / according to UL 489/UL 60947-4-1 / 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 50/60 Hz / 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  Operating voltage / at AC / at 50/60 Hz / 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  Operating voltage / at AC / at 50/60 Hz / 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		
maintenance/repair switch     Appearance     color / of the actuating element     product details     product feature		
Appearance color / of the actuating element gray  Product details  product feature  • can be locked into OFF position number of bracket locks / maximum 3 hasp thickness / of the bracket locks / minimum 5 mm hasp thickness / of the bracket locks / maximum 7.5 mm special product feature defeatable door-coupling handle product extension / optional • motor drive • voltage trigger  No  Short circuit conditional short-circuit current / with line-side fuse protection • at 440 V / by gG fuse / rated value • at 690 V / by gG fuse / rated value 50 kA according UL  operational current / at AC / according to UL 489/UL 60947-4-1 / rated value operational current / at AC / at 50/60 Hz / according to UL 489 / 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 50/60 Hz / 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 operating voltage / at AC / at 50/60 Hz / 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		
recolor / of the actuating element  Product details  product feature  • can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum special product feature  product extension / optional  • motor drive • voltage trigger  No  Short circuit  conditional short-circuit current / with line-side fuse protection • at 440 V / by gG fuse / rated value • at 690 V / by gG fuse / rated value  operational current / at AC / according to UL 489/UL 60947-4-1 / 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 50/60 Hz / 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  operating voltage / at AC / at 50/60 Hz / 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  operating voltage / at AC / at 50/60 Hz / 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		Tes
Product feature		
product feature         • can be locked into OFF position		gray
ocan be locked into OFF position     number of bracket locks / maximum     lasp thickness / of the bracket locks / minimum     special product feature     product extension / optional         • motor drive         • voltage trigger  Conditional short-circuit current / with line-side fuse protection         • at 440 V / by gG fuse / rated value         • at 690 V / by gG fuse / rated value  Operational current / at AC / according to UL 489/UL 60947-4-1 / rated value  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  Operating voltage / at AC / at 50/60 Hz / 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  Operating voltage / at AC / at 50/60 Hz / 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  Operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value		
number of bracket locks / maximum  hasp thickness / of the bracket locks / minimum  hasp thickness / of the bracket locks / maximum  special product feature  product extension / optional  motor drive  voltage trigger  No  Short circuit  conditional short-circuit current / with line-side fuse protection  at 440 V / by gG fuse / rated value  at 690 V / by gG fuse / rated value  operational current / at AC / according to UL 489/UL 60947-4-1 / rated value  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  operating voltage / at AC / at 50/60 Hz / 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  operating voltage / at AC / at 50/60 Hz / 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	•	
hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum reproduct feature product extension / optional motor drive reproduct extension / optional motor drive reproduct extension / optional reproduct extension	·	
hasp thickness / of the bracket locks / maximum  special product feature  product extension / optional  • motor drive  • voltage trigger  No  Short circuit  conditional short-circuit current / with line-side fuse protection  • at 440 V / by gG fuse / rated value  • at 690 V / by gG fuse / rated value  soperational current / at AC / according to UL 489/UL 60947-4-1 / rated value  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  operating voltage / at AC / at 50/60 Hz / 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		
special product feature  product extension / optional  • motor drive  • voltage trigger  No  Short circuit  conditional short-circuit current / with line-side fuse protection  • at 440 V / by gG fuse / rated value  • at 690 V / by gG fuse / rated value  operational current / at AC / according to UL 489/UL 60947-4-1 / rated value  operating voltage / at AC / at 50/60 Hz / according to UL 60947-4-1 / 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 50/60 Hz / 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  operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value		
product extension / optional  • motor drive • voltage trigger  No  Short circuit  conditional short-circuit current / with line-side fuse protection • at 440 V / by gG fuse / rated value • at 690 V / by gG fuse / rated value  50 kA  according UL  operational current / at AC / according to UL 489/UL 60947-4-1 / rated value  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 480 V 480 V 480 V 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	-	
<ul> <li>motor drive</li> <li>voltage trigger</li> <li>No</li> </ul> Short circuit conditional short-circuit current / with line-side fuse protection <ul> <li>at 440 V / by gG fuse / rated value</li> <li>at 690 V / by gG fuse / rated value</li> <li>50 kA</li> </ul> according UL operational current / at AC / according to UL 489/UL 60947-4-1 / rated value <ul> <li>operational current / at AC / according to UL 508/UL 100 A 60947-4-1 / rated value</li> <li>operating voltage / at AC / at 50/60 Hz / according to UL 480 V 489 / rated value</li> <li>operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value <ul> <li>operating voltage / at AC / at 50/60 Hz / according to UL 480 V 508/UL 60947-4-1 / rated value</li> </ul></li></ul>		dereatable door-coupling nandle
voltage trigger  Short circuit  conditional short-circuit current / with line-side fuse protection      at 440 V / by gG fuse / rated value     at 690 V / by gG fuse / rated value  operational current / at AC / according to UL 489/UL 60947-4-1 / rated value  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 480 V 480 V 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  operating voltage / at AC / at 50/60 Hz / 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		M.
Short circuit  conditional short-circuit current / with line-side fuse protection  ● at 440 V / by gG fuse / rated value  ● at 690 V / by gG fuse / rated value  50 kA  according UL  operational current / at AC / according to UL 489/UL  60947-4-1 / rated value  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  480 V  480 V  480 V  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		
conditional short-circuit current / with line-side fuse protection  • at 440 V / by gG fuse / rated value  • at 690 V / by gG fuse / rated value  50 kA  according UL  operational current / at AC / according to UL 489/UL 60947-4-1 / rated value  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  operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value	1 11	NO
protection		
according UL  operational current / at AC / according to UL 489/UL operational current / at AC / according to UL 508/UL operational current / at AC / according to UL 508/UL operational current / at AC / according to UL 508/UL operating voltage / at AC / at 50/60 Hz / according to UL 480 V 489 / rated value operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value  480 V		
according UL  operational current / at AC / according to UL 489/UL 60947-4-1 / rated value  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 480 V 489 / rated value  operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value  480 V	<ul><li>at 440 V / by gG fuse / rated value</li></ul>	50 kA
operational current / at AC / according to UL 489/UL 60947-4-1 / rated value  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 480 V 489 / rated value  operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value  480 V	at 690 V / by gG fuse / rated value	50 kA
60947-4-1 / rated value  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 480 V 489 / rated value  operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value  480 V	according UL	
60947-4-1 / rated value  operating voltage / at AC / at 50/60 Hz / according to UL 489 / rated value  operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value  480 V		100 A
489 / rated value  operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value  480 V		100 A
508/UL 60947-4-1 / rated value		480 V
active power [hp] / at AC / at 480 V / according to UL 60		480 V
	active power [hp] / at AC / at 480 V / according to UL	60

508/UL 60947-4-1 / rated value	
short-time withstand current (SCCR) / at 480 V / according to UL 508/UL 60947-4-1 and UL 489	65 kA
continuous current / of upstream fuse / according to UL / rated value	100 A
type of fuse / according to UL	Class J
Number	
number of connectable NC contacts / for auxiliary contacts / attachable / maximum	2
number of connectable NO contacts / for auxiliary contacts / attachable / maximum	3
number of connectable CO contacts / for auxiliary contacts / attachable / maximum	0
Connections	
AWG number / as coded connectable conductor cross section / solid	
• minimum	3
• maximum	4/0
AWG number / as coded connectable conductor cross section / solid / according to UL 489	
• minimum	3
AWG number / as coded connectable conductor cross section / solid / according to CSA C22.2 No. 5-16	
• minimum	3
type of connectable conductor cross-sections / for copper conductor	
• solid	1x (16185mm²)
<ul> <li>finely stranded / with core end processing</li> </ul>	1x (16150mm²)
stranded	1x (16185mm²)
type of connectable conductor cross-sections / for	
auxiliary contacts	
• solid	lateral auxiliary switch 2x (0,75 $\dots$ 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 $\dots$ 2,5mm²)
<ul> <li>finely stranded / with core end processing</li> </ul>	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
for auxiliary contacts	connection terminals
Requirements	
design of the fuse link	
<ul> <li>for short-circuit protection of the main circuit / required</li> </ul>	Fuse gG: 125 A
<ul> <li>for short-circuit protection of the auxiliary switch / required</li> </ul>	fuse gL/gG: 10 A
Mechanical Design	
height	178 mm
width	151 mm
depth	158 mm
fastening method	Built-in unit fixed-mounted version
fastening method	
4-hole front mounting	Yes
front mounting with central attachment	No
• rail mounting	No
net weight	2 400 g
Environmental conditions	
ambient temperature / during operation	-25 °C
• minimum	
maximum  ambient temperature / during storage / minimum	55 °C
ambient temperature / during storage / minimum	-25 °C
General Product Approval	Declaration of Conformity



Confirmation









other

Miscellaneous

## Further information

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

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

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3LD5410-0TL11

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

https://support.industry.siemens.com/cs/ww/en/ps/3LD5410-0TL11

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

http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3LD5410-0TL11

**CAx-Online-Generator** 

http://www.siemens.com/cax

**Tender specifications** 

http://www.siemens.com/specifications

