## **SIEMENS**

Data sheet 3LD3130-1TL11



Load disconnector 3LD3, lu 25 A Main switch 3-pole + N Rated operating capacity at AC-23 A at 400V 9.0kW Installation in distribution boards, Basic switch with selector knob black with auxiliary switch 1OE + 1S

Model	
product brand name	SENTRON
product designation	3LD Switch disconnector
design of the product	Main switch
display version / for switch position indicator manual operation	1 ON - 0 OFF
design of the actuating element	selector switch
design of handle	knob-operated mechanism, black
type of the driving mechanism / motor drive	No
General technical data	
number of poles	4
number of poles / note	4
type of device	fixed mounting
type of switch	DIN-rail mounting
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	4 kA2.s
let-through I2t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum	4 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	IP40
protection class IP / on the front	IP40
Dissipation	
power loss [W]	
<ul> <li>for rated value of the current / at AC / in hot operating state / per pole</li> </ul>	1.1 W
per conductor / typical	1 W
Current	
operational current	
• at 40 °C / rated value	25 A
<ul> <li>at 45 °C / rated value</li> </ul>	25 A
<ul> <li>at 50 °C / rated value</li> </ul>	25 A
<ul> <li>at 55 °C / rated value</li> </ul>	25 A
<ul> <li>at AC / rated value</li> </ul>	25 A

* all AC-23 / 1 all 90 / 1 rated value 25 A	-t AO 00 A / -t 400 V /tdl	00.4
	• at AC-23 A / at 400 V / rated value	20 A
and AC-21 Ar at 440 V / rided value gerational current / for upstream fuse / rated value let-through current / with closed switch at 440 V / for combination switch + gG fuse / modificant at 460 V / for combination switch + gG fuse / modificant at 460 V / for combination switch + gG fuse / modificant at 460 V / for combination switch + gG fuse / modificant permissible  Main circuit  Operating power  at AC-23 A / at 240 V / rated value at AC-23 A / at 440 V / rated value at AC-23 A / at 440 V / rated value at AC-23 A / at 440 V / rated value at AC-23 A / at 440 V / rated value at AC-3 / at 240 V / rated value at AC-3 / at 240 V / rated value at AC-3 / at 400 V / rated value at AC-3 / at 400 V / rated value at AC-3 / at 400 V / rated value at AC-3 / at 400 V / rated value at AC-3 / at 400 V / rated value at AC-3 / at 600 V / a		
operational current / with closed switch + gG fuse / serior / with closed switch + gG fuse / serior / with closed switch + gG fuse / serior / with closed switch + gG fuse / serior / with closed switch + gG fuse / serior / with closed / with / with with serior / with closed / with / with with with with with with with with		
International content of the closed switch   gG fuse / maximum   at 800 V for combination switch + gG fuse / maximum   at 800 V for combination switch + gG fuse / maximum permissible   4 kA   maximum permissible   4 kA   maximum permissible   4 kA   maximum permissible   4 kA   maximum permissible   4 kW   4 kW   4 kW   4 kA   maximum permissible   4 kW		
and 440 V for combination switch + gG fuse / maximum or the 190 V for combination switch + gG fuse / maximum permissible  were presenting power  and AC-22 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-23 A / at 400 V / rated value  at AC-23 A / at 400 V / rated value  at AC-3 A / at 400 V / rated value  at AC-3 A / at 500 V / rated value  at AC-3 A / at 500 V / rated value  at AC-3 A / at 500 V / rated value  at AC-3 A / at 500 V / rated value  at AC-3 A / at 500 V / rated value  at AC-3 A / at 500 V rated value  be at AC-3 A / at 500 V rated value  can AC-3 A / at 500 V rated value  at AC-3 A / at 500 V rated value  at AC-3 A / at 500 V rated value  be at AC-3 A / at 500 V rated value  can AC-3 A / at 500 V rated value  can AC-3 A / at 500 V rated value  at AC-3 A / at 500 V rated value  can AC-3 A / at 500 V rated value  can AC-3 A / at 500 V rated value  can AC-3 A / at 500 V rated value  can AC-3 A / at 500 V rated value  can AC-3 A / at 500 V rated value  can AC-3 A / at 500 V rated value  can AC-3 A / at 500 V rated value  can AC-3 A / at 500 V rated value  can AC-3 A / at 500 V rated value  can AC-3 A / at 500 V rated value  can AC-3 A / at 500 V rated value  continuous current / at 60 A / according voltage or at 60 A / according voltage / at 60 A / according to UL.  conditions current / at 60 A / according to UL.  conclions current / at 60 A / according to UL.  cache power (pk) / at AC / according to UL.  cache power (pk) / at AC / according to UL.  cache power (pk) / at AC / according to UL.  cache power (pk) / at AC / at 5000 V / according to UL.  cache power (pk) / at AC / at 6000 V / according to UL.  cache power (pk) / at AC / at 6000 V / according to UL.  cache power (pk) / at AC / at 6000 V / according to UL.  cache power (pk) / at AC / at 6000 V / according to UL.  cache power (pk) / at AC / at 6000 V / according to UL.  cache power (pk) / at AC / at 6000 V / according to UL.  cache power (pk) / at AC / according to UL.  cache power	<u> </u>	25 A
maximum earlier grows with earlier grows with earlier grows with earlier grows and earlier grows and earlier grows	•	
maximum permissible  Main circuit  operating power  • at AC-23 A / at 440 V / rated value • at AC-23 A / at 440 V / rated value • at AC-23 A / at 440 V / rated value • at AC-34 A / at 400 V / rated value • at AC-34 A / at 400 V / rated value • at AC-3 A / at 400 V / rated value • at AC-3 A / at 400 V / rated value • at AC-3 / at 400 V / rated value • at AC-3 / at 400 V / rated value • at AC-3 / at 400 V / rated value • at AC-3 / at 400 V / rated value • at AC-3 / at 400 V / rated value • at AC-3 / at 400 V / rated value  • at 40 V / by Q5 fuse / rated value  • at 40 V / by Q5 fuse / rated value  • at 40 V / by Q5 fuse / rated value  • at 400 V / by Q5 fuse / rated value  • at 400 V / by Q5 fuse / rated value  • at 400 V / by Q5 fuse / rated value  • at 400 V / by Q5 fuse / rated value  • at 400 V / by Q5 fuse / rated value  • at 400 V / by Q5 fuse / rated value  • at 400 V / by Q5 fuse / rated value  • at 400 V / by Q5 fuse / rated value  • at 400 V / by Q5 fuse / rated value  • at 400 V / by Q5 fuse / rated value  • at 400 V / by Q5 fuse / rated value  • at		3.5 KA
operating power  • at AC-23 A / at 400 V / rated value • at AC-23 A / at 400 V / rated value • at AC-32 A / at 400 V / rated value • at AC-32 A / at 400 V / rated value • at AC-32 A / at 400 V / rated value • at AC-3 / at 240 V / rated value • at AC-3 / at 240 V / rated value • at AC-3 / at 250 V / rated value • at AC-3 / at 500 V / rated value • at AC-3 / at 500 V / rated value • at AC-3 / at 500 V / rated value • at AC-3 / at 500 V / rated value • at AC-3 / at 500 V / rated value • at AC-3 / at 500 V / rated value  • at AC-3 / at 500 V / rated value  • at AC-3 / at 500 V / rated value  • at Ac-3 / at 500 V / rated value  • at Ac-3 / at 500 V / rated value  • at Ac-3 / at 500 V / rated value  • at Ac-3 / at 500 V / rated value  • at Ac-3 / at 500 V / rated value    at Ac-3 / at 500 V / rated value   at Ac-3 / at 500 V / rated value   25 A		4 kA
4 AC 23 A / at 420 V / rated value   4 kW     at AC 23 A / at 490 V / rated value   9 kW     at AC 23 A / at 490 V / rated value   9 kW     at AC 23 A / at 490 V / rated value   9 kW     at AC 23 A / at 490 V / rated value   9 kW     at AC 23 A / at 490 V / rated value   8 kW     at AC 23 A / at 490 V / rated value   7.5 kW     operational current / rated value   7.5 kW     operational current / rated value   25 A	Main circuit	
	operating power	
• at AC-23 A / at 440 V / rated value 9 kW • at AC-3 / at 240 V / rated value 9 kW • at AC-3 / at 240 V / rated value 8 kW • at AC-3 / at 690 V / rated value 7.5 kW • at AC-3 / at 690 V / rated value 7.5 kW • at AC-3 / at 690 V / rated value 7.5 kW • at AC-3 / at 690 V / rated value 7.5 kW • at AC-3 / at 690 V / rated value 7.5 kW • at AC-3 / at 690 V / rated value 7.5 kW • at AC-3 / at 690 V / rated value 7.5 kW • at AC-3 / at 690 V / rated value 8.5 kW • at AC-3 / at 690 V / rated value 8.5 kW • at AC-3 / at 690 V / rated value 9.5 kW • at AC-3 / at 690 V / rated value 9.5 kW • at AC-3 / rated value 9.5 kW • at	<ul> <li>at AC-23 A / at 240 V / rated value</li> </ul>	4 kW
• at AC-3 A / at 690 V / rated value • at AC-3 / at 240 V / rated value • at AC-3 / at 400 V / rated value • at AC-3 / at 690 V / rated value • at AC-3 / at 690 V / rated value • at AC-3 / at 690 V / rated value • at AC-3 / at 690 V / rated value  • at AC-3 / at 690 V / rated value  7.5 kW  operational current / rated value  25 A  Auxiliary etrouit  number of CO contacts / for auxiliary contacts  number of NO contacts / for auxiliary contacts  1  number of NO contacts / for auxiliary contacts  1  operating voltage / of auxiliary contacts / at AC / maximum  operating voltage / of the auxiliary contact / rated value  insulation voltage / of the auxiliary switch / rated value  suitability  Suitability  Suitability  Suitability  Suitability  Appearance  • EMERGENCY OFF switch • waith disconnector • EMERGENCY OFF switch • waith annance/repair switch  • an internance/repair switch  • an be locked into OFF position  number of bracket locks / maximum  product feature • an be locked into OFF position  number of bracket locks / maximum  product extension / optional • motor drive • voltage trigger  No  Short circuit  Can be locked in zero position  No  voltage trigger  No  Short circuit  Can be locked in zero position  No  of micrount  On the activity of the survey of the pracket locks / maximum  for 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  at the gover [hp] / at AC / at 450 V / according to UL  500/UL 60947-4-1 / rated value  active power [hp] / at AC / at 450 V / according to UL  500/UL 60947-4-1 / rated value  active power [hp] / at AC / at 450 V / according to UL  500/UL 60947-4-1 / rated value  active power [hp] / at AC / at 450 V / according to UL  500/UL 60947-4-1 / rated value	<ul><li>at AC-23 A / at 400 V / rated value</li></ul>	10 kW
at AC-3 / at 400 V / rated value at AC-3 / at 400 V / rated value at AC-3 / at 690 V / rated value 25 A  Auxiliary circuit  number of CO contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 operating voltage / of auxiliary contacts 1 operating voltage / of auxiliary contacts 1 operating voltage / of the auxiliary contact / rated value  Suitability  suitability for use  main switch  switch disconnector  maintenance/repair switch  *Yes  *Maintenance/repair switch  *Yes  *Maintenance/repair switch  *Yes  *Appearance  color / of the actualing element  *Product details  *Produ	<ul> <li>at AC-23 A / at 440 V / rated value</li> </ul>	9 kW
at AC-3 / at 400 V / rated value at AC-3 / at 690 V / rated value 7.5 kW poperational current / rated value 25 A  Auxiliary circuit number of CO contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 2 number of NC contacts / for auxiliary contact / rated value 2 number of NC contacts 2 number of NC contacts / for auxiliary contacts 2 number of NC contacts 2 number of NC contacts / for auxiliary contacts 2 number of NC contacts 2 number of NC contacts 3 number of NC contacts 3 number of NC contacts 4 number of NC contacts 4 number of NC contacts 5 number of NC contacts 6 number of NC contacts 7 number of NC	<ul> <li>at AC-23 A / at 690 V / rated value</li> </ul>	9 kW
e at AC-3 / at 690 V / rated value 25 A  Auxiliary circuit  number of CO contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 operating voltage / of auxiliary contacts 1 operating voltage / of auxiliary contacts / at AC / maximum 500 V continuous current / of the auxiliary contact / rated value 500 V  Sultability  Sultability	<ul><li>at AC-3 / at 240 V / rated value</li></ul>	4 kW
operational current / rated value 25 A Auxiliary circuit number of CO contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contact / rated value 10 A insulation voltage / of the auxiliary switch / rated value 500 V  Suitability  suitability suitability for use  main switch Yes  main switch Yes  EMERGENCY OFF switch No safety switch Yes  safety switch Yes  maintenance/repair switch Yes  cotor / of the actuating element black  Product details  product feature can be locked into OFF position Yes number of bracket locks / maximum 2 nasp thickness / of the bracket locks / minimum 4 mm hasp thickness / of the bracket locks / minimum 5 en more drive Can be locked in zero position  product extension / optional more drive No voltage trigger No N	<ul><li>at AC-3 / at 400 V / rated value</li></ul>	8 kW
Auxiliary circuit number of CO contacts / for auxiliary contacts number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 operating voltage / of auxiliary contacts / at AC / maximum continuous current / of the auxiliary contacts / at AC / maximum continuous current / of the auxiliary switch / rated value insulation voltage / of the auxiliary switch / rated value  Suitability suitability for use  main switch  switch disconnector  EMERGENCY OFF switch No safety switch safety switch  safety switch Yes  maintenance/repair switch  Appearance  color / of the actuating element  Product details  product feature  can be locked into OFF position  number of bracket locks / maximum Abasp thickness / of the bracket locks / minimum Absp thickness / of the bracket locks / maximum  maspecial product feature  motor drive  woltage trigger  Short circuit  conditional short-circuit current / with line-side fuse protection  at 440 V / by gG fuse / rated value  at 890 V / by gG fuse / rated value  at 890 V / by gG fuse / rated value  at 890 V / by gG fuse / rated value  at 890 V / by gG fuse / rated value  at 890 V / by gG fuse / rated value  at 890 V / by gG fuse / rated value  at 890 V / by gG fuse / rated value  at 890 V / by gG fuse / rated value  at 890 V / by gG fuse / rated value  at 890 V / by gG fuse / rated value  at 890 V / by gG fuse / rated value  at 890 V / by gG fuse / 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 480 V / according to UL  508/UL 60947-4-1 / rated value	<ul><li>at AC-3 / at 690 V / rated value</li></ul>	7.5 kW
number of CO contacts / for auxiliary contacts number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 operating voltage / of auxiliary contacts / at AC / maximum continuous current / of the auxiliary contact / rated value insulation voltage / of the auxiliary switch / rated value southability suitability suitability suitability suitability suitability suitability suitability suitability ose enain switch yes esher Sefety switch sevitch disconnector Yes esher Sefety switch safety switch esafety switch yes oolor / of the actuating element  Product details  product feature can be locked into OFF position number of bracket locks / maximum 2 hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum special product feature conditional short-circuit current / with line-side fuse product extension / optional enotor drive voltage trigger No  Short circuit conditional short-circuit current / with line-side fuse protection e at 440 V / by gG fuse / rated value at 490 V / by gG fuse / rated value enaiting suits of the stack of the suits of the	operational current / rated value	25 A
number of CO contacts / for auxiliary contacts number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 operating voltage / of auxiliary contacts / at AC / maximum continuous current / of the auxiliary contact / rated value insulation voltage / of the auxiliary switch / rated value southouse / 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 • raintenance/repair switch • Yes  Appearance color / of the actuating element  Product details  product feature • can be locked into OFF position number of bracket locks / maximum 2 hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum 5 mm special 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 • at 690 V / by gG fuse / rated value • (at 440 V / by gG fuse / rated value • (bkA coording UL) operational current / at AC / according to UL 508UL 60947-4-1 / rated value active power [hp] / at AC / at 480 V / according to UL 508UL 60947-4-1 / rated value active power [hp] / at AC / at 600 V / according to UL 508UL 60947-4-1 / rated value	Auxiliary circuit	
number of NC contacts / for auxiliary contacts 1 number of NO contacts / for auxiliary contacts 1 operating voltage / of auxiliary contact / at AC / maximum 500 V continuous current / of the auxiliary switch / rated value 10 A insulation voltage / of the auxiliary switch / rated value 500 V Suitability Suitability suitability for use • main switch • switch disconnector • EMERGENCY OFF switch • safety switch • maintenance/repair switch  Appearance color / of the actuating element  Product dotals  product feature • can be locked into OFF position number of bracket locks / maximum 2 hasp thickness / of the bracket locks / minimum 4 mm hasp thickness / of the bracket locks / minimum 6 mm special product feature  Product dotals  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 • at 690 V / by gG fuse / rated value  poperating voltage / at AC / at 60/60 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 480 V / according to UL 508/UL 60947-4-1 / 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  south voltage / of the auxiliary switch / rated value  **main switch **was witch disconnector **es **emin switch **switch disconnector **es **EMERGENCY OFF switch **safety switch **yes **maintenance/repair switch **Yes **maintenance/repair switch **yes **Appearance **color / of the actuating element **Dack **Product details **product feature **can be locked into OFF position **umber of bracket locks / maximum **pas phickness / of the bracket locks / minimum **hasp thickness / of the bracket locks / minimum **hasp thickness / of the bracket locks / minimum **special product feature **product extension / optional **motor drive **voltage trigger **No **Short circuit **conditional short-circuit current / with line-side fuse protection **e at 440 V / by gG fuse / rated value **a t 490 V / by gG fuse / rated value **a t 490 V / by gG fuse / rated value **a t 490 V / by gG fuse / rated value **a t 690 V / by gG fuse / 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 50/0 V / according to UL **508/UL 60947-4-1 / rated value **active power [hp] / at AC / at 450 V / according to UL **508/UL 60947-4-1 / rated value **active power [hp] / at AC / at 450 V / according to UL **508/UL 60947-4-1 / rated value **active power [hp] / at AC / at 500 V / according to UL **508/UL 60947-4-1 / rated value **active power [hp] / at AC / at 500 V / according to UL **508/UL 60947-4-1 / rated value **active power [hp] / at AC / at 500 V / according to UL **508/UL 60947-4-1 / rated value		
operating voltage / of auxiliary contacts / at AC / maximum continuous current / of the auxiliary contact / rated value insulation voltage / of the auxiliary switch / rated value sout a voltability suitability	· · · · · · · · · · · · · · · · · · ·	1
continuous current / of the auxiliary contact / rated value insulation voltage / of the auxiliary switch / rated value 500 V Suitability  suitability suitability for use  • main switch		
insulation voltage / of the auxiliary switch / rated value  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 nasp thickness / of the bracket locks / maximum  hasp thickness / of the bracket locks / maximum  special product feature  outle feature  can be locked into OFF position  A mm hasp thickness / of the bracket locks / maximum  special product feature  Can be locked in zero position  product seature  No  solution of vive • 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 • at 690 V / by gG fuse / rated value • at 690 V / by gG fuse / rated value  operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value  active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value  active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value  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		10 A
Suitability suitability for use  • main switch • switch disconnector • EMERGENCY OFF switch • safety switch • safety switch • safety switch • maintenance/repair switch • maintenance/repair switch • maintenance/repair switch  Appearance color / of the actuating element  black  Product details  product feature • can be locked into OFF position number of bracket locks / maximum 2 hasp thickness / of the bracket locks / minimum 4 nm hasp thickness / of the bracket locks / maximum 5 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 • at 690 V / by gG fuse / rated value  poperational current / at AC / according to UL 508/UL 60947-4-1 / rated value 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 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		
suitability for use  • main switch • switch disconnector • EMERGENCY OFF switch • safety switch  Yes  Appearance  color / of the actuating element  black  Product details  product details  product feature • can be locked into OFF position namer of bracket locks / maximum 2 hasp thickness / of the bracket locks / minimum 4 mm hasp thickness / of the bracket locks / maximum special product feature  can be locked in zero position  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 • at 690 V / by gG fuse / rated value • at 690 V / by GA fuse / rated value  special product reature  operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value  active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value  active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value  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		
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     yes  number of bracket locks / maximum     lassy thickness / of the bracket locks / minimum     hasp thickness / of the bracket locks / maximum     special product feature      can be locked into OFF position     yes  number of bracket locks / maximum     so mm  special product feature  Can be locked in zero position  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 / a coording to UL 508/UL     operating voltage / ta AC / at 50/60 Hz / according to UL     508/UL 60947-4-1 / rated value  active power [hp] / at AC / at 60/00 V / according to UL     508/UL 60947-4-1 / rated value  active power [hp] / at AC / at 60/00 V / according to UL     508/UL 60947-4-1 / rated value  active power [hp] / at AC / at 60/00 V / according to UL     508/UL 60947-4-1 / rated value  active power [hp] / at AC / at 60/00 V / according to UL     508/UL 60947-4-1 / rated value  active power [hp] / at AC / at 60/00 V / according to UL     508/UL 60947-4-1 / rated value		
switch disconnector     EMERGENCY OFF switch     safety switch     safety switch     maintenance/repair switch     Yes  Appearance color / of the actuating element  Product details product feature     oan be locked into OFF position number of bracket locks / maximum     1	, and the second	Vec
EMERGENCY OFF switch safety switch safety switch smintenance/repair switch Yes  Appearance color / of the actuating element black  Product details  product feature sean be locked into OFF position number of bracket locks / maximum 2 hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum special product feature conditional short-circuit current / with line-side fuse protection state 40 V / by gG fuse / rated value at 440 V / by gG fuse / rated value specialingual 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 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  15		
* safety switch     * maintenance/repair switch     Yes  Appearance  color / of the actuating element     black  Product details  product feature     • can be locked into OFF position     number of bracket locks / maximum     2     hasp thickness / of the bracket locks / minimum     hasp thickness / of the bracket locks / maximum     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     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 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 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		
maintenance/repair switch     Appearance     color / of the actuating element     black  Product details product feature		
Appearance color / of the actuating element black  Product details  product feature  • can be locked into OFF position number of bracket locks / maximum 2 hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum 5 special product feature Can be locked in zero position  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 6 kA  according UL  operational current / at AC / according to UL 508/UL 60947-4-1 / rated value active power [hp] / at AC / at 800 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		
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 hasp thickness / of the bracket locks / maximum  special product feature  Can be locked in zero position  • 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  operating oltage / 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 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  15 508/UL 60947-4-1 / rated value  15 508/UL 60947-4-1 / rated value  16 508/UL 60947-4-1 / rated value  17 508/UL 60947-4-1 / rated value  18 508/UL 60947-4-1 / rated value  19 508/UL 60947-4-1 / rated value  19 508/UL 60947-4-1 / rated value		163
Product feature  • can be locked into OFF position  number of bracket locks / maximum  2 hasp thickness / of the bracket locks / minimum  4 mm  hasp thickness / of the bracket locks / maximum  5 em  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  6 kA  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 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		black
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  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  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		DIACK
ocan be locked into OFF position     number of bracket locks / maximum     lasp thickness / of the bracket locks / minimum     hasp thickness / of the bracket locks / maximum     special product feature     product extension / optional		
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 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	•	v.
hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum special product feature  Can be locked in zero position  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 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  15	· · · · · · · · · · · · · · · · · · ·	
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 508/UL  operational current / at AC / at 50/60 Hz / according to UL  508/UL 60947-4-1 / rated value  active power [hp] / at AC / at 600 V / according to UL  508/UL 60947-4-1 / rated value  active power [hp] / at AC / at 600 V / according to UL  508/UL 60947-4-1 / rated value  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  15		
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 508/UL  operational current / at AC / according to UL 508/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 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  15		
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  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  15 508/UL 60947-4-1 / rated value	-	
<ul> <li>motor drive</li> <li>voltage trigger</li> <li>No</li> </ul> Short circuit <ul> <li>conditional short-circuit current / with line-side fuse protection</li> <li>at 440 V / by gG fuse / rated value</li> <li>at 690 V / by gG fuse / rated value</li> <li>6 kA</li> </ul> according UL <ul> <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> </ul>		Can be locked in zero position
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     at 690 V / by gG fuse / 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  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  15		Na
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  6 kA  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		
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  6 kA  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  10 kA 6 kA  25 A 600 V 508/UL 60947-4-1 / rated value  10 kA 6 kA  25 A 600 V 508/UL 60947-4-1 / rated value  10 kA 6 kA  25 A 600 V 508/UL 60947-4-1 / rated value  10 kA 6 kA  25 A 600 V 508/UL 60947-4-1 / rated value		INU
protection  • at 440 V / by gG fuse / rated value  • at 690 V / by gG fuse / rated value  6 kA  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		
according UL  operational current / at AC / according to UL 508/UL operating voltage / at AC / at 50/60 Hz / according to 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  active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / 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  15 508/UL 60947-4-1 / rated value	<ul> <li>at 440 V / by gG fuse / rated value</li> </ul>	10 kA
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  15 508/UL 60947-4-1 / rated value	at 690 V / by gG fuse / rated value	6 kA
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  15	according 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  15		25 A
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  15	, , ,	600 V
508/UL 60947-4-1 / rated value		10
short-time withstand current (SCCR) / at 600 V / according 5 kA		15
	short time with stand as most (CCCD) / st COO // / seconding	5 kA

to UL 508/UL 60947-4-1	
continuous current / of upstream fuse / according to UL / rated value	50 A
type of fuse / according to UL	RK5
Number	
number of connectable NC contacts / for auxiliary contacts / attachable / maximum	2
number of connectable NO contacts / for auxiliary contacts / attachable / maximum	4
number of connectable CO contacts / for auxiliary contacts / attachable / maximum	0
Connections	
AWG number / as coded connectable conductor cross section / solid	
• maximum	6
• minimum	14
type of connectable conductor cross-sections / for copper conductor	
• solid	1x (2.5 to 16 mm²)
<ul> <li>finely stranded / with core end processing</li> </ul>	1x (2.516 mm²)
stranded	1x (2.5 to 16 mm²)
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	
<ul> <li>for main current circuit</li> </ul>	box terminal
<ul> <li>for auxiliary contacts</li> </ul>	Box terminals
Requirements	
design of the fuse link	
<ul> <li>for short-circuit protection of the main circuit / required</li> </ul>	fuse gL/gG: 25 A
<ul> <li>for short-circuit protection of the auxiliary switch / required</li> </ul>	fuse gL/gG: 10 A
Mechanical Design	
height	60 mm
width	60 mm
depth	77 mm
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>	No
rail mounting	Yes
net weight	200 g
Environmental conditions	
ambient temperature / during operation	
• minimum	-25 °C
• maximum	55 °C
	0F °C
ambient temperature / during storage / minimum  General Product Approval	-25 °C  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=3LD3130-1TL11

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

https://support.industry.siemens.com/cs/ww/en/ps/3LD3130-1TL11

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3LD3130-1TL11">http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3LD3130-1TL11</a>

**CAx-Online-Generator** 

http://www.siemens.com/cax

**Tender specifications** 

http://www.siemens.com/specifications

