SIEMENS

Data sheet 3LD3230-0TK11



Load disconnector 3LD3, lu 32 A Main switch 3-pole Rated operating capacity for AC-23 A at 400V 11.5kW Installation in distribution boards, Basic switch with selector knob black

Model	
product brand name	SENTRON
product designation	Switch disconnector
design of the product	Main switch
display version for switch position indicator manual operation	1 ON - 0 OFF
type of switch	DIN-rail mounting
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
number of poles note	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	IP40
protection class IP on the front	IP40
Dissipation	
power loss [W] for rated value of the current at AC in hot operating state per pole	1.8 W
Main circuit	
operational current	
• at AC-21 at 690 V rated value	32 A
• at AC-21 A at 240 V rated value	32 A
• at AC-21 A at 400 V rated value	32 A
• at AC-21 A at 440 V rated value	32 A
• at AC-23 A at 400 V rated value	22 A
operating power	

* A AC-23 A at 240 V rited value 12 kW * A AC-23 A at 440 V rited value 15 kW * A AC-33 A at 440 V rited value 15 kW * A AC-3 at 240 V rited value 55 kW * A AC-3 at 240 V rited value 55 kW * A AC-3 at 240 V rited value 55 kW * A AC-3 at 240 V rited value 55 kW * A AC-3 at 260 V rited value 95 kW * A AC-3 at 260 V rited value 95 kW * A AC-3 at 260 V rited value 95 kW * A AC-3 at 260 V rited value 95 kW * A Ac-3 at 260 V rited value 95 kW * A Ac-3 at 260 V rited value 95 kW * A Ac-3 at 260 V rited value 95 kW * A Ac-3 at 260 V rited value 95 kW * A Ac-3 at 260 V rited value 95 kW * A Ac-3 at 260 V rited value 96 kW * A Ac-4 at 260 V rited value 96 kW * A Ac-4 at 260 V rited value 96 kW * A Ac-4 at 260 V		
and AC-23 A at 440 V rated value and AC-23 A at 490 V rated value and AC-33 A at 950 V rated value and AC-34 A at 950 V rated value and AC-35 A at 950 V rated value	• at AC-23 A at 240 V rated value	6 kW
and AC-33 at 4800 V rated value at AC-33 at 4800 V rated value at AC-33 at 4800 V rated value by 4 at AC-3 at 4800 V rated value at AC-33 at 4800 V rated value by 5 at AC-33 at 4800 V rated value by 5 at AC-33 at 4800 V rated value by 5 at AC-33 at 4800 V rated value continuing circuit number of ICC contacts for auxiliary contacts continuing circuit number of ICC contacts for auxiliary contacts continuing circuit number of ICC contacts for auxiliary contacts continuing circuit number of ICC contacts for auxiliary contacts continuing circuit number of ICC contacts for auxiliary contacts continuing circuit number of ICC contacts for auxiliary contact rated value continuing circuit number of ICC contacts for auxiliary contact rated value by 500 V Statistifier by 500 V Batteria substatistifier by 600 V Batteria substatistifier by 500 N Batteria substatistifier by 600 N Batteria substatis		12 kW
at AC-3 at 240 V rated value at AC-3 at 600 V rated value by Ask Nov Ask	 at AC-23 A at 440 V rated value 	11.5 kW
e al AC-3 at 400 V rated value e at AC-3 at 400 V rated value e at AC-3 at 400 V rated value ### Auxiliary criticol ### Auxiliary contacts ### O Contracts for auxiliary contact at AC maximum ### O CONTRACT FOR AUXILIARY STATE	 at AC-23 A at 690 V rated value 	12 kW
Auxiliary circuit number of CO contacts for auxiliary contacts number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 operating voltage of auxiliary contacts at AC maximum continuous current of the auxiliary contacts at AC maximum continuous current of the auxiliary contacts at AC maximum continuous current of the auxiliary contacts at AC maximum continuous current of the auxiliary contacts at AC maximum continuous current of the auxiliary switch rated value Inimit switch	 at AC-3 at 240 V rated value 	5.5 kW
Auxiliary circuit number of CC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 perating voltage of auxiliary contact and C maximum 500 V continuous current of the auxiliary south rated value 10 A natisalation voltage of the auxiliary south rated value 10 A natisalation voltage of the auxiliary south rated value 10 A natisalation voltage of the auxiliary south rated value 10 A natisalation voltage of the auxiliary south rated value 10 A natisalation voltage of the auxiliary south rated value 10 A	 at AC-3 at 400 V rated value 	10 kW
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number of NO contacts for auxiliary contacts operating voltage of auxiliary contacts at AC maximum for included of NO contacts at AC maximum soo V continuous current of the auxiliary contacts at AC maximum soo V strability suitability for use suitabilit	Auxiliary circuit	
number of NO contacts for auxiliary contacts or auxiliary contacts for auxiliary contacts attachable maximum number of broadeble Cosc maximum 1 at 400 V by g G flare rated value 1 at 400 V for combination switch + gG flase maximum 1 at 400 V for combination sw	number of CO contacts for auxiliary contacts	0
operating voltage of dazillary contacts at AC maximum 500 V continuous current of the auxillary switch rated value 500 V suitability for use **main switch for the auxillary switch rated value 500 V suitability for use **main switch **Yes **main switch **Yes **exitch disconnector Yes **exitch datables **pecial product feature are be locked into OFF position Yes **pecial product feature are be locked into OFF position Yes **exitch datables **pecial product feature are be locked into OFF position Yes **exitch datables **pecial product feature are be locked into OFF position Yes **exitch datables **pecial product feature are be locked into OFF position Yes **exitch datables **exitc	number of NC contacts for auxiliary contacts	0
continuous current of the auxiliary contact rated value	number of NO contacts for auxiliary contacts	0
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suitability for use • main switch • switch disconnector • EMERGENOY OFF switch • safety switch • yes • maintenance/repair switch Product details special product feature Can be locked in zero position product extension optional • motor drive • voltage trigger No • not or drive • 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 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 hasp thickness of the bracket locks 4 6 mm Short circuit conditional short-circuit current with line-side fuse protection • at 440 V by gf use rated value • at 800 V by gf use rated value • at 800 V by gf use rated value • at 800 V for combination switch + gf use maximum • at 440 V for combination switch + gf use maximum • at 440 V for combination switch + gf use maximum • at 440 V for combination switch + gf use maximum • at 440 V for combination switch + gf use maximum • at 440 V for combination switch + gf use maximum • at 440 V for combination switch + gf use maximum • at 440 V for combination switch + gf use maximum • at 440 V for combination switch + gf use maximum • at 440 V for combination switch + gf use maximum • at 440 V for combination switch + gf use maximum • at 440 V for combin	continuous current of the auxiliary contact rated value	10 A
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main awitch	Suitability	
main awitch	suitability for use	
EMERGENCY OFF switch safety switch safety switch maintenance/repair switch Pes Product details Special product feature product feature product eature an be locked into OFF position Yes **Can be locked in zero position Product extension optional motor drive 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 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 hasp thickness of the bracket locks Short circuit conditional short-circuit current with line-side fuse protection a 44 0V by gG fuse rated value bet-through current with closed switch at 480 V by gG fuse rated value at 480 V for combination switch + gG fuse maximum at 480 V for combination switch + gG fuse maximum at 480 V for combination switch + gG fuse maximum at 480 V for combination switch + gG fuse maximum at 480 V for combination switch + gG fuse maximum at 480 V for combination switch + gG fuse maximum at 480 V for combination switch + gG fuse maximum at 480 V for combination switch + gG fuse maximum at 480 V for combination switch + gG fuse maximum at 480 V for combination switch + gG fuse maximum at 480 V for combination switch + gG fuse maximum at 480 V for combination switch + gG fuse maximum by kA2.s 480 V for combination switch + gG fuse maximum at 480 V for	•	Yes
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maintenance/repair switch Product details special product feature can be locked into OFF position product feature can be locked into OFF position **Construction** product setension optional **motor drive **voltage trigger **note oconsectable NC contacts for auxiliary contacts attachable maximum number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable NO contacts for auxiliary contacts attachable maximum number of connectable NO contacts for auxiliary contacts attachable maximum 2 hasp thickness of the bracket locks maximum at 440 V by gG fuse rated value **a 1690 V by gG fuse rated value **a 1690 V by gG fuse rated value **a 1690 V by gG fuse rated value **a 1440 V for combination switch + gG fuse maximum **a 1450 V for combination switch + gG fuse maximum **a 1450 V for combination switch + gG fuse maxi		
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at 440 V for combination switch + gG fuse maximum barmissible I2t value with closed switch at 240 V for combination switch + gG fuse maximum barmissible I2t value with closed switch at 240 V for combination switch + gG fuse maximum barmism at 44	• at 240 V for combination switch + gG fuse maximum	4.5 kA
at 690 V for combination switch + gG fuse maximum permissible I2t value with closed switch at 240 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum be at 690 V for combination switch + gG fuse maximum be at 690 V for combination switch + gG fuse maximum be at 690 V for combination switch + gG fuse maximum be sk2.s design of the fuse link be for short-circuit protection of the main circuit required be for short-circuit protection of the auxiliary switch required be for short-circuit protection of the auxiliary switch required be 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		4.5 kA
permissible I2t value with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 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 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 600 V 600 V 600 V 600 V 600 V 601 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 20	· ·	
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 be at 690 V for combination switch + gG fuse maximum be at 690 V for combination switch + gG fuse maximum be at 690 V for combination switch + gG fuse maximum be at 690 V for combination switch + gG fuse maximum be A2.s design of the fuse link be for short-circuit protection of the main circuit required be for short-circuit protection of the auxiliary switch required be for short-circuit protection of the auxiliary switch required be for short-circuit protection of the auxiliary switch required be for short-circuit protection of the auxiliary switch required be gL/gG: 40 A fuse gL/gG: 10 A 32 A 32 A 32 A 32 A 32 A 600 V 600 V 600 V 6047-4-1 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		
 at 440 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum b kA2.s design of the fuse link for short-circuit protection of the main circuit required 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 	I2t value with closed switch	
at 690 V for combination switch + gG fuse maximum design of the fuse link for short-circuit protection of the main circuit required fuse gL/gG: 40 A for short-circuit protection of the auxiliary switch required operational current of upstream fuse rated value according UL operational current at AC according to UL 508/UL 60947-4-1 rated value operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 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	• at 240 V for combination switch + gG fuse maximum	9 kA2.s
design of the fuse link ● for short-circuit protection of the main circuit required ● for short-circuit protection of the auxiliary switch required ● for short-circuit protection of the auxiliary switch required operational current of upstream fuse rated value 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	• at 440 V for combination switch + gG fuse maximum	9 kA2.s
• for short-circuit protection of the main circuit required • for short-circuit protection of the auxiliary switch required operational current of upstream fuse rated value according UL operational current at AC according to UL 508/UL 60947-4-1 rated value operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value	• at 690 V for combination switch + gG fuse maximum	9 kA2.s
● for short-circuit protection of the auxiliary switch required operational current of upstream fuse rated value according UL operational current at AC according to UL 508/UL 60947-4-1 rated value operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 480 V according to UL 508/UL 60947- 4-1 rated value active power [hp] at AC at 600 V according to UL 508/UL 60947- 4-1 rated value active power [hp] at AC at 600 V according to UL 508/UL 60947- 4-1 rated value	design of the fuse link	
operational current of upstream fuse rated value according UL operational current at AC according to UL 508/UL 60947-4-1 rated value operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 480 V according to UL 508/UL 60947- 4-1 rated value active power [hp] at AC at 600 V according to UL 508/UL 60947- 4-1 rated value active power [hp] at AC at 600 V according to UL 508/UL 60947- 4-1 rated value	• for short-circuit protection of the main circuit required	fuse gL/gG: 40 A
according UL operational current at AC according to UL 508/UL 60947-4-1 rated value operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 480 V according to UL 508/UL 60947- 4-1 rated value active power [hp] at AC at 600 V according to UL 508/UL 60947- 4-1 rated value 20 4-1 rated value	• for short-circuit protection of the auxiliary switch required	fuse gL/gG: 10 A
operational current at AC according to UL 508/UL 60947-4-1 rated value operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 480 V according to UL 508/UL 60947- 4-1 rated value active power [hp] at AC at 600 V according to UL 508/UL 60947- 4-1 rated value 20 4-1 rated value	operational current of upstream fuse rated value	32 A
rated value operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 480 V according to UL 508/UL 60947- 4-1 rated value active power [hp] at AC at 600 V according to UL 508/UL 60947- 4-1 rated value 20 4-1 rated value	according UL	
active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value 20 4-1 rated value		32 A
4-1 rated value active power [hp] at AC at 600 V according to UL 508/UL 60947- 4-1 rated value 20		600 V
4-1 rated value		20
short-time withstand current (SCCR) at 600 V according to UL 5 kA		20
	short-time withstand current (SCCR) at 600 V according to UL	5 kA

508/UL 60947-4-1	
continuous current of upstream fuse according to UL rated value	50 A
type of fuse according to UL	RK5
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)
 finely stranded with core end processing 	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
 finely stranded with core end processing 	2x (0.75 1.5 mm²), 1x 2.5 mm²
stranded	2x (0.75 2.5 mm²), 1x 4 mm²
type of electrical connection	
for main current circuit	box terminal
for auxiliary contacts	Box terminals
Mechanical Design	
height	60 mm
width	36 mm
depth	77 mm
type of device	fixed mounting
fastening method	Built-in unit fixed-mounted version
fastening method	
 4-hole front mounting 	No
 front mounting with central attachment 	No
rail mounting	Yes
net weight	200 g
Environmental conditions	
ambient temperature during operation	
• minimum	-25 °C
• maximum	55 °C
ambient temperature during storage	
• minimum	-25 °C
maximum	55 °C
General Product Approval	Declaration of Conformity

Confirmation











other Environment

<u>Confirmation</u> <u>Miscellaneous</u> <u>Environmental Confirmations</u>

urther information

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

 $\underline{\text{https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business}}$

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

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

Information on the packaging

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

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

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

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3LD3230-0TK11

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

https://support.industry.siemens.com/cs/ww/en/ps/3LD3230-0TK11

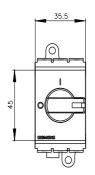
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD3230-0TK11

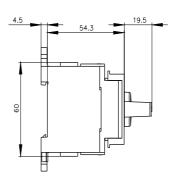
CAx-Online-Generator

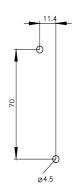
http://www.siemens.com/cax

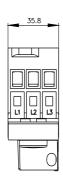
Tender specifications

http://www.siemens.com/specifications









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