SIEMENS

Data sheet

3LD3230-1TK11



Load disconnector 3LD3, Iu 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 with auxiliary switch 10E + 1S

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	

At AC35 At 440 V relative view At AC35 At 460 V relative view At 460 V re		
I A C23 A it Al9 Virale value 15 kW I A C23 A it Al9 Virale value 12 kW I A C3 at Al90 Virale value 5 kW I A C3 at Al90 Virale value 5 kW Austance value 0 unrube of N Coortacts for auxiliary contacts 1 operating values of auxiliary contacts at AC maximum 600 V continuus contracts for auxiliary contacts at AC maximum 600 V continuus contracts for auxiliary contacts at AC maximum 600 V continuus contracts for auxiliary contacts at AC maximum 10 A instanton values of the auxiliary contacts at AC maximum 600 V - continuus contracts for auxiliary contacts 10 A instanton values Yes - rans witch Yes - rans witch Yes - rans witch Yes - product databatis Contacts for auxiliary contacts - product databatis Contacts for auxiliary contacts - product databatis No - product databatis No - nontracts for auxiliary contacts 1 </td <td></td> <td>6 kW</td>		6 kW
 AIX-C3 at AI 400 V rated value SVW AIX-C3 at 420 V rated value D Immetro IC C0 contacts for auxiliary contacts Immetro IC C0 contacts for auxiliary contact Immetro IN C0 contacts for auxiliary contact<	 at AC-23 A at 400 V rated value 	12 kW
• at AC3 at 240 Yrated value 55 W • at AC3 at 680 V rated value 10 kW • at AC3 at 680 V rated value 9.5 kW Auxiliary circuit 0 number of C0 contacts for auxiliary contacts 1 number of NC contacts for auxiliary contact 1 optimizer of NC contacts for auxiliary contact 1 optimizer of NC contacts for auxiliary contact 10 A insulation value of the auxiliary contact rated value 500 V continuues cortex of the auxiliary contact 10 A insulation value of the auxiliary solitch rated value 500 V Statisticity 500 V satistability or use Yes • main solitch Yes • safet disconcedor Yes social product feature Can be locked in zero position product details 7 social product feature No • notor of we No • auxiliary contacts for auxiliary contacts 1 attactable maximum 2 product details 1 social product feature 0 other of the contacts for auxiliary contacts 1 attactotact of the cont	 at AC-23 A at 440 V rated value 	11.5 kW
• at AC3 at 400 v rade value 0.5 kW Auxiliary creant 0 number of CO contack for auxiliary contacts 1 number of CO contack for auxiliary contacts 1 number of No contack for auxiliary contact at AC maximum 000 V contacts of auxiliary contact nate value 000 V contacts of auxiliary contact nate value 00 V statishily 500 V <t< td=""><td> at AC-23 A at 690 V rated value </td><td>12 kW</td></t<>	 at AC-23 A at 690 V rated value 	12 kW
• al AC3 at 600 v radius y contacts 0 number of NC contacts for auxiliary contacts 1 - under of NC contacts for auxiliary contacts 1 - operating voltage of auxiliary contacts at AC maximum 500 V - controluce for auxiliary contact rated value 10 A - insulation voltage of the auxiliary contact rated value 500 V Subbally 500 V - statistic voltage of the auxiliary contact rated value 500 V Subbally For any contact rated value Subbally For any contact rated value Subbally Ves - maintenance/repair woltage Yes - maintenance/repair woltage Yes - product fasture Can be looked in zero position product extension optional No - marker of one cable NC contacts for auxiliary contacts 4 - attactible maximum 2 - number of backel block for auxiliary contacts 10 - marker of concactable NC contacts for auxiliary contacts 10 - marker of concactable NC contacts for auxiliary contacts 10 - marker of concactable NC contacts for auxiliary contacts 10	 at AC-3 at 240 V rated value 	5.5 kW
Auxiliary circuit	 at AC-3 at 400 V rated value 	10 kW
number of OC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 1 operating voltage of auxiliary contacts at AC maximum 500 V continuus curved of the auxiliary contact at AC maximum 500 V continuus curved of the auxiliary contact at AC maximum 500 V continuus curved of the auxiliary contact at AC auxiliary contacts auxiliarity auxiliaries auxiliary avaitch rated value 500 V Subshift Yes a maintenance repair subth Yes sended product feature Can be locked in zero position product contristion optional Yes interact and be locked in zero position Yes product contristion optional No interact and be locked in zero position Yes attachable maximum 2 number of concetable NC contacts for auxiliary contacts 4 number of concetable NC contacts for auxiliary contacts 4 number of concetable NC contacts for auxiliary contacts 4	• at AC-3 at 690 V rated value	9.5 kW
number of NC contacts for auxiliary contacts 1 number of NO contacts for auxiliary contacts 1 operating voltage of the auxiliary contact at AC maximum 500 V continuous current of the auxiliary switch rated value 500 V stability 500 V subbility of use 500 V - awaich disconnector Yes - main awaich Yes - main awaich Yes - main awaich Yes - maintenceritrager switch Yes Product details Can be locked in zoro position product contension optional No - number of connectable for auxiliary contacts 4 attachable maximum 2 number of connectable Co contacts for auxiliary contacts 4 attachable maximum 2 number of connectable Co contacts for auxiliary contacts 4 attachable maximum<	Auxiliary circuit	
number of NQ contacts for auxilary contacts at AC maximum 500 V continuous current of the auxilary contact rated value 500 V Subability for use 500 V • main switch Yes • subtitivity for use • • main switch Yes • subtitivity for use • • main switch Yes • subtitivity for use • • main switch Yes • subtitivity for use • • maintenance/regar switch Yes special product feature Can be looked in zero position product catersion optional • • mother of Ne No • contacts for auxiliary contacts 2 attachable maximum 2 number of oncacts for auxiliary contacts 4 attachable maximum 2 number of oncacts for auxiliary contacts 1 • attachable maximum 2	number of CO contacts for auxiliary contacts	0
operating voltage of auxiliary contacts at AC maximum 900 V continuous current of the auxiliary contact rated value 10 A invaluation voltage of the auxiliary contact rated value 500 V Suthability for use - - smith of the auxiliary contact rated value 500 V Suthability for use - - smith of the auxiliary contact rated value 500 V - smith of the auxiliary contact rated value 500 V - smith of the auxiliary contact rated value - - smith of the auxiliary contacts Yes - smith of the auxiliary contacts Yes - motor drive No - motor drive	number of NC contacts for auxiliary contacts	1
continuous current of the auxiliary centet rated value 10 A invaluation vertage of the auxiliary centet rated value 500 V Suthality	number of NO contacts for auxiliary contacts	1
Installation validage of the auxiliary switch rated value 500 V Statubility e witch addisconnector Yes e witch addisconnector Yes e WERRCENCY OFF switch No e saidel saidsconnector Yes e main switch Yes e main encourse pair switch Yes Product feature can be locked into OFF position Yes product relature can be locked into OFF position Yes sccassories product relature can be locked into OFF position product relature can be locked into OFF position Yes accassories No number of connectable NC contracts for auxiliary contacts 2 attachable maximum 2 number of connectable NC contacts for auxiliary contacts 4 number of connectable NC contacts for auxiliary contacts 4 number of tracket locks maximum 2 hasp dinkness of the bracket locks 4 number of tracket locks maximum 4 number of tracket locks maximum 4 number of tracket locks maximum 4.5 kA e at 600 V	operating voltage of auxiliary contacts at AC maximum	500 V
Subtability subtability for use	continuous current of the auxiliary contact rated value	10 A
suitability for use i main switch i suitability for use i switch disconnector Ves EMERCENCY OF switch Ves i safety switch Ves i safety switch Ves i setait y switch Ves i setai	insulation voltage of the auxiliary switch rated value	500 V
• main switchYes• switch disconnectorYes• EMERGNCY OFF switchNo• aiafety switchYes• aiafety switchYes• maintenacetropia r witchYes• product detainsCan be locked in zero position• product detainsYes• motor driveNo• motor driveNo• woltage triggerNo• motor driveNo• woltage triggerNo• motor driveNo• attachable maximum2attachable maximum2hasp trickness of the brackel locks4 6 mmShort drexelIo Ka• attachable maximum10 kA• at 440 V br gof fuse rated value10 kA• at 440 V br combination switch + 9G fuse maximum4 5 kA• at 440 V for combination switch + 9G fuse maximum5 kA• at 420 V for combination switch + 9G fuse maximum9 kA2.s• at 420 V for combination switch + 9G fuse maximum9 kA2.s• at 420 V for combination switch + 9G fuse maximum9 kA2.s• at 420 V for combination switch + 9G fuse maximum9 kA2.s• at 420 V for combination switch + 9G fuse maximum9	Suitability	
• switch disconnectorYes• EMERGENCY OFF switchNo• safety switchYes• naintenance/repair switchYesProduct detailsCan be locked in zero positionproduct feature can be locked into OFF positionYesproduct feature can be locked into OFF positionYesexcessoriesNoproduct feature can be locked into OFF positionYesexcessoriesNonumber of connectable NC contacts for auxiliary contacts2attachable maximum2number of connectable CO contacts for auxiliary contacts4attachable maximum2number of connectable CO contacts for auxiliary contacts0attachable maximum2is 1440 Vby gG hase rated value10 kAeit 440 Vby gG hase rated value6 kAIetHrough current with line-side fuse protection4.5 kAeit 420 V for combination switch + gG fuse maximum5 kAeit 420 V for combination switch + gG fuse maximum9 kA2_5eit 420 V for combination switch + gG fuse maximum9 kA2_5eit 420 V for combination switch + gG fuse maximum9 kA2_5eit 420 V for combination switch + gG fuse maximum9 kA2_5eit 420 V for combination switch + gG fu	suitability for use	
• EMERGENCY OFF switch No • safety switch Yes • maintenancerepair switch Yes • product details Can be locked in zero position special product feature Can be locked in zero position product extension optional Yes • motor drive No • number of connectable NC contacts for auxiliary contacts 4 attachable maximum 2 • hasp thickness of the bracket locks 4, 6 mm Short circuit 2 conditional short-circuit current with line-side fuse protection • # 440 V for combination switch + 9G fuse maximum • # 440 V for combination switch + 9G fuse maximum 4 5 KA • # 440 V for combination switch + 9G fuse maximum 5 KA • # 440 V for combination switch + 9G fuse maximum 9 KA2.s • # 440 V for combination switch + 9G fuse maximum 9 KA	main switch	Yes
• safety switch Yes • maintenance/repair switch Yes special product feature Can be locked in zero position product teature can be locked into OFF position Yes product setension optional Yes • motor drive No • wotage trigger No • unuber of connectable NC contacts for auxiliary contacts 2 attachable maximum 2 number of connectable NO contacts for auxiliary contacts 4 attachable maximum 2 number of connectable NO contacts for auxiliary contacts 0 attachable maximum 2 number of connectable NO contacts for auxiliary contacts 0 attachable maximum 2 number of connectable NO contacts for auxiliary contacts 0 attachable maximum 2 runtber of connectable NO contacts for auxiliary contacts 0 attachable maximum 4 with of bracket locks 4 unuber of connectable NO contacts for auxiliary contacts 0 statchable maximum 2 runtber of connectable NO contacts for auxiliary contacts 0 attachable maximum 2 statchable maximum 4 statchable maximum 5 statda V tor combinatis sw	switch disconnector	Yes
	EMERGENCY OFF switch	No
• nanitenance/repair switch Yes Product details Can be locked in zero position special product feature can be locked into OFF position Yes accessories Image: Comparison optional ontoir drive No • ontoir drive No • under of connectable NC contacts for auxiliary contacts 2 attachable maximum 4 attachable maximum 2 number of connectable NC contacts for auxiliary contacts 4 attachable maximum 2 number of connectable NC contacts for auxiliary contacts 4 attachable maximum 2 number of connectable NC contacts for auxiliary contacts 4 attachable maximum 2 number of bracket locks maximum 2 neast theixness of the bracket locks 4 eited V by GG fuse rated value 6 kA letthrough current with obset switch 4.5 kA eit 440 V by GG fuse rated value 6 kA letthrough current with obset switch + gG fuse maximum 4.5 kA eit 440 V for combination switch + gG fuse maximum 9 kA2.s	 safety switch 	Yes
special product feature Can be locked in zero position product feature can be locked into OFF position Yes cccessories Instantian optional Instantian optional • inotor drive No No • ordinge trigger No Instantian optional Instantian optional • inotor drive No No Instantian optional Instantian optional • inotor drive No No Instantian optional	-	Yes
product feature can be locked into OFF position Yes product extension optional • motor drive No • woltage trigger No • number of connectable NC contacts for auxiliary contacts 2 - attachable maximum 2 - number of connectable NC contacts for auxiliary contacts 4 - attachable maximum 2 - number of connectable CO contacts for auxiliary contacts 4 - attachable maximum 2 - - number of bracket locks maximum 2 - - number of bracket locks maximum 2 - - recent - - - - conditional short-forcut current with line-side fuse protection - - - - - at 440 V by gG fuse rated value 0 kA - - - - - at 440 V for combination swith + gG fuse maximum - - - - - - - - - - -	Product details	
product feature can be locked into OFF position Yes product extension optional • motor drive No • woltage trigger No • number of connectable NC contacts for auxiliary contacts 2 - attachable maximum 2 - number of connectable NC contacts for auxiliary contacts 4 - attachable maximum 2 - number of connectable CO contacts for auxiliary contacts 4 - attachable maximum 2 - - number of bracket locks maximum 2 - - number of bracket locks maximum 2 - - recent - - - - conditional short-forcut current with line-side fuse protection - - - - - at 440 V by gG fuse rated value 0 kA - - - - - at 440 V for combination swith + gG fuse maximum - - - - - - - - - - -	special product feature	Can be locked in zero position
accessories product extension optional • motor drive • oldage trigger number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable OC contacts for auxiliary contacts attachable maximum number of connectable CO contacts for auxiliary contacts attachable maximum number of connectable CO contacts for auxiliary contacts attachable maximum number of connectable CO contacts for auxiliary contacts attachable maximum number of connectable CO contacts for auxiliary contacts attachable maximum number of connectable CO contacts for auxiliary contacts attachable maximum number of bracket locks maximum attachable maximum attachable maximum attachable maximum eit 440 V by G fuse rated value oft for combination switch + gG fuse maximum eit 440 V for combination switch + gG fuse maximum gata 240 V for combination switch + gG fuse maximum eit 440 V for combination switch + gG fuse maximum eit 440 V for combination switch + gG fuse maximum gata 240 V for combination switch + gG fus		
product extension optional No • motor drive No • woltage trigger No number of connectable NC contacts for auxiliary contacts 2 attachable maximum 2 number of connectable NC contacts for auxiliary contacts 4 attachable maximum 0 attachable maximum 2 number of bracket locks maximum 2 hasp thickness of the bracket locks 4 6 mm Short circuit 10 kA eat 690 V by gG fuse rated value 10 kA eat 400 V for combination switch + gG fuse maximum 4.5 kA eat 400 V for combination switch + gG fuse maximum 5 kA izt value with consumant + gG fuse maximum 9 kA2.s eat 440 V for combination switch + gG fuse maximum 9 kA2.s eat 440 V for combination switch + gG fuse maximum 9 kA2.s eat 690 V for combination switch + gG fuse maximum 9 kA2.s eat 690 V for combination switch + gG fuse maximum 9 kA2.s eat 690 V for combination switch + gG fuse maximum 9 kA2.s eat 690 V for combination switch + gG fuse maximum 9 kA2.s of		
• motor drive No • voltage trigger No number of connectable NC contacts for auxiliary contacts 2 attachable maximum 4 number of connectable NC contacts for auxiliary contacts 4 number of connectable CO contacts for auxiliary contacts 4 number of connectable CO contacts for auxiliary contacts 0 number of connectable CO contacts for auxiliary contacts 0 number of connectable CO contacts for auxiliary contacts 0 attachable maximum 2 hasp thickness of the bracket locks 4 & mm Short circuit Contitional short-circuit current with line-side fuse protection 10 kA • at 440 V by gG fuse rated value 10 kA 6 kA let-through current with cloced switch 4 S kA • at 240 V for combination switch + gG fuse maximum 4 S kA • at 240 V for combination switch + gG fuse maximum 9 kA2.s • at 240 V for combination switch + gG fuse maximum 9 kA2.s • at 240 V for combination switch + gG fuse maximum 9 kA2.s • at 240 V for combination switch + gG fuse maximum 9 kA2.s • at 240 V for combination switch + gG fuse maximum 9 kA2.s • at 240 V for combination switch + gG fuse maximum 9 kA2.s • at 240 V for combination switch + gG fuse maximum 9	product extension optional	
• voltage trigger No number of connectable NC contacts for auxiliary contacts 2 attachable maximum 2 number of connectable NO contacts for auxiliary contacts 4 attachable maximum 0 number of connectable CO contacts for auxiliary contacts 0 attachable maximum 2 number of connectable CO contacts for auxiliary contacts 0 attachable maximum 2 hasp thickness of the bracket locks 4 6 mm Short circuit 5 conditional short-circuit current with line-side fuse protection 10 kA • at 460 V by gG fuse rated value 6 kA let-through current with closed switch 4.5 kA • at 240 V for combination switch + gG fuse maximum 4.5 kA • at 240 V for combination switch + gG fuse maximum 5 kA • at 240 V for combination switch + gG fuse maximum 9 kA2.s • at 240 V for combination switch + gG fuse maximum 9 kA2.s • at 240 V for combination switch + gG fuse maximum 9 kA2.s • at 260 V for combination switch + gG fuse maximum 9 kA2.s • at 860 V for combination switch + gG fuse max		No
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 NO contacts for auxiliary contacts attachable maximum 0 number of connectable NO contacts for auxiliary contacts attachable maximum 0 number of connectable NO contacts for auxiliary contacts attachable maximum 0 number of torackt tocks maximum 2 hasp thickness of the bracket tocks 4 6 mm Short circuit 0 conditional short-circuit current with line-side fuse protection 10 kA et 440 V by gG fuse rated value 6 kA let-through current with closed switch 4 6 mm et 420 V for combination switch + gG fuse maximum 4 6 kA jet value with closed switch 4 6 kA et 440 V for combination switch + gG fuse maximum 5 kA et 420 V for combination switch + gG fuse maximum 9 kA2.s et 690 V for combination switch + gG fuse maximum 9 kA2.s et 690 V for combination switch + gG fuse maximum 9 kA2.s et 400 V for combination switch + gG fuse maximum 9 kA2.s et 690 V for combination switch + gG fuse maximum 9 kA2.s		
attachable maximum 4 number of connectable NO contacts for auxiliary contacts 4 number of connectable CO contacts for auxiliary contacts 0 number of bracket locks maximum 2 hasp thickness of the bracket locks 4 6 mm Short circuit 0 conditional short-circuit current with line-side fuse protection 0 • at 440 V by gG fuse rated value 10 kA • at 690 V by gG fuse rated value 6 kA let-through current with closed switch 4.5 kA • at 240 V for combination switch + gG fuse maximum 4.5 kA • at 240 V for combination switch + gG fuse maximum 5 kA izt value with closed switch 9 kA2.s • at 240 V for combination switch + gG fuse maximum 9 kA2.s • at 240 V for combination switch + gG fuse maximum 9 kA2.s • at 240 V for combination switch + gG fuse maximum 9 kA2.s • at 440 V for combination switch + gG fuse maximum 9 kA2.s • at 440 V for combination switch + gG fuse maximum 9 kA2.s • design of the fuse link • for short-circuit protection of the auxinizy switch required • for short-circuit protection of the auxinizy switch required fuse gL/gG: 40 A		
attachable maximum 0 number of connectable CO contacts for auxiliary contacts 0 number of bracket locks 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 gG fuse rated value 10 kA • at 690 V by gG fuse rated value 6 kA let-through current with closed switch 4.5 kA • at 240 V for combination switch + gG fuse maximum 4.5 kA • at 240 V for combination switch + gG fuse maximum 5 kA • at 240 V for combination switch + gG fuse maximum 5 kA • at 240 V for combination switch + gG fuse maximum 9 kA2.s • at 240 V for combination switch + gG fuse maximum 9 kA2.s • at 240 V for combination switch + gG fuse maximum 9 kA2.s • at 240 V for combination switch + gG fuse maximum 9 kA2.s • at 240 V for combination switch + gG fuse maximum 9 kA2.s • at 240 V for combination switch + gG fuse maximum 9 kA2.s • at 680 V for combination switch + gG fuse maximum 9 kA2.s design of the fuse link • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the		
attachable maximum 2 hasp thickness of the bracket locks 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 gG fuse rated value 10 kA • at 690 V by gG fuse rated value 6 kA let-through current with closed switch 4.5 kA • at 240 V for combination switch + gG fuse maximum 4.5 kA • at 240 V for combination switch + gG fuse maximum 5 kA • at 690 V for combination switch + gG fuse maximum 5 kA • at 240 V for combination switch + gG fuse maximum 9 kA2.s • at 440 V for combination switch + gG fuse maximum 9 kA2.s • at 440 V for combination switch + gG fuse maximum 9 kA2.s • at 440 V for combination switch + gG fuse maximum 9 kA2.s • at 640 V for combination switch + gG fuse maximum 9 kA2.s • at 640 V for combination switch + gG fuse maximum 9 kA2.s design of the fuse link fuse gL/gG: 40 A • for short-circuit protection of the main circuit required fuse gL/gG: 10 A operational current of upstream fuse rated value 32 A according UL 600 V		4
hasp thickness of the bracket locks 4 6 mm Short circuit conditional short-circuit current with line-side fuse protection • at 440 V by gG fuse rated value 10 kA • at 690 V by gG fuse rated value 6 kA let-through current with closed switch 4.5 kA • at 240 V for combination switch + gG fuse maximum 4.5 kA • at 440 V for combination switch + gG fuse maximum 5 kA izt value with closed switch 6 • at 240 V for combination switch + gG fuse maximum 5 kA izt value with closed switch 6 • at 240 V for combination switch + gG fuse maximum 9 kA2.s izt value with closed switch 6 • at 240 V for combination switch + gG fuse maximum 9 kA2.s • at 240 V for combination switch + gG fuse maximum 9 kA2.s • at 690 V for combination switch + gG fuse maximum 9 kA2.s • design of the fuse link fuse gL/gG: 40 A • for short-circuit protection of the main circuit required fuse gL/gG: 10 A operational current at AC according to UL 508/UL 60947-4-1 32 A according UL 600 V operating valtage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 20 act		0
Short circuit conditional short-circuit current with line-side fuse protection • at 440 V by gG fuse rated value 10 kA • at 690 V by gG fuse rated value 6 kA let-through current with closed switch 6 kA • at 440 V for combination switch + gG fuse maximum 4.5 kA • at 440 V for combination switch + gG fuse maximum 4.5 kA • at 440 V for combination switch + gG fuse maximum 5 kA • at 690 V for combination switch + gG fuse maximum 5 kA • at 240 V for combination switch + gG fuse maximum 9 kA2.s • at 240 V for combination switch + gG fuse maximum 9 kA2.s • at 440 V for combination switch + gG fuse maximum 9 kA2.s • at 690 V for combination switch + gG fuse maximum 9 kA2.s • at 690 V for combination switch + gG fuse maximum 9 kA2.s • design of the fuse link fuse gL/gG: 40 A • 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 32 A according UL operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4.1 • for short-circuit protection of the L 208/UL 60947-4.1 20 • at rated value 20	number of bracket locks maximum	2
conditional short-circuit current with line-side fuse protection 10 kA • at 440 V by gG fuse rated value 6 kA let-through current with closed switch 6 kA • at 440 V for combination switch + gG fuse maximum 4.5 kA • at 440 V for combination switch + gG fuse maximum 4.5 kA • at 440 V for combination switch + gG fuse maximum 5 kA • at 440 V for combination switch + gG fuse maximum 5 kA • at 440 V for combination switch + gG fuse maximum 9 kA2.s • at 440 V for combination switch + gG fuse maximum 9 kA2.s • at 440 V for combination switch + gG fuse maximum 9 kA2.s • at 440 V for combination switch + gG fuse maximum 9 kA2.s • at 690 V for combination switch + gG fuse maximum 9 kA2.s • at 690 V for combination switch + gG fuse maximum 9 kA2.s design of the fuse link fuse gL/gG: 40 A • for short-circuit protection of the main circuit required fuse gL/gG: 10 A operational current at AC according to UL 508/UL 60947-4-1 32 A according UL operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 • for short-circuit protection of the Laccording to UL 508/UL 60947-4-1 20 • active power [hp] at AC at 480 V according to	hasp thickness of the bracket locks	4 6 mm
• at 440 V by gG fuse rated value10 kA• at 690 V by gG fuse rated value6 kAlet-through current with closed switch6 kA• at 240 V for combination switch + gG fuse maximum4.5 kA• at 440 V for combination switch + gG fuse maximum5 kA• at 690 V for combination switch + gG fuse maximum5 kA• at 690 V for combination switch + gG fuse maximum5 kA• at 240 V for combination switch + gG fuse maximum9 kA2.s• at 240 V for combination switch + gG fuse maximum9 kA2.s• at 240 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• of r short-circuit protection of the main circuit requiredfuse gL/gG: 40 A• for short-circuit protection of the auxiliary switch required32 A• according to UL 508/UL 60947-4132 A• according voltage at AC at 50/60 Hz according to	Short circuit	
e at 690 V by gG fuse rated value 6 kA let-through current with closed switch 6 kA • at 240 V for combination switch + gG fuse maximum 4.5 kA • at 440 V for combination switch + gG fuse maximum 5 kA • at 690 V for combination switch + gG fuse maximum 5 kA • at 240 V for combination switch + gG fuse maximum 9 kA2.s • at 240 V for combination switch + gG fuse maximum 9 kA2.s • at 440 V for combination switch + gG fuse maximum 9 kA2.s • at 440 V for combination switch + gG fuse maximum 9 kA2.s • at 690 V for combination switch + gG fuse maximum 9 kA2.s • at 690 V for combination switch + gG fuse maximum 9 kA2.s • at 690 V for combination switch + gG fuse maximum 9 kA2.s • at 690 V for combination switch + gG fuse maximum 9 kA2.s • at 690 V for combination switch + gG fuse maximum 9 kA2.s design of the fuse link fuse gL/gG: 40 A • for short-circuit protection of the main circuit required fuse gL/gG: 10 A operational current of upstream fuse rated value 32 A according UL 600 V operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 32 A active power (hp] at AC	conditional short-circuit current with line-side fuse protection	
let-through current with closed switch 4.5 kA • at 240 V for combination switch + gG fuse maximum 4.5 kA • at 440 V for combination switch + gG fuse maximum 5 kA • at 690 V for combination switch + gG fuse maximum 5 kA • at 240 V for combination switch + gG fuse maximum 9 kA2.s • at 240 V for combination switch + gG fuse maximum 9 kA2.s • at 240 V for combination switch + gG fuse maximum 9 kA2.s • at 440 V for combination switch + gG fuse maximum 9 kA2.s • at 690 V for combination switch + gG fuse maximum 9 kA2.s • at 690 V for combination switch + gG fuse maximum 9 kA2.s • design of the fuse link fuse gL/gG: 40 A • for short-circuit protection of the main circuit required fuse gL/gG: 10 A operational current of upstream fuse rated value 32 A according UL 32 A operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 32 A active power [hp] at AC at 480 V according to UL 508/UL 60947-4 20 active power [hp] at AC at 480 V according to UL 508/UL 60947-4 20 active power [hp] at AC at 600 V according to UL 508/UL 60947-4 20	 at 440 V by gG fuse rated value 	10 kA
• at 240 V for combination switch + gG fuse maximum4.5 kA• at 440 V for combination switch + gG fuse maximum5 kA• at 690 V for combination switch + gG fuse maximum5 kA• at 240 V for combination switch + gG fuse maximum9 kA2.s• at 240 V for combination switch + gG fuse maximum9 kA2.s• at 440 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• design of the fuse link	 at 690 V by gG fuse rated value 	6 kA
• at 440 V for combination switch + gG fuse maximum4.5 kA• at 690 V for combination switch + gG fuse maximum permissible5 kAI2t value with closed switch9 kA2.s• at 240 V for combination switch + gG fuse maximum9 kA2.s• at 440 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• for short-circuit protection of the auxiliary switch requiredfuse gL/gG: 10 A• operational current at AC according to UL 508/UL 60947-4-132 A according UL 600 V• operationg voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-120• active power [hp] at AC at 480 V according to UL 508/UL 60947-4-120• active power [hp] at AC at 480 V according to UL 508/UL 60947-4-120• active power [hp] at AC at 600 V according to UL 508/UL 60947-4-120• active power [hp] at AC at 600 V according to UL 508/UL 60947-4-120• 1 rated value20 <td>let-through current with closed switch</td> <td></td>	let-through current with closed switch	
• at 690 V for combination switch + gG fuse maximum permissible5 kAI2t value with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • kA2.s • at 690 V for combination switch + gG fuse maximum • kA2.s • at 690 V for combination switch + gG fuse maximum • kA2.s • at 690 V for combination switch + gG fuse maximum • kA2.s9 kA2.s • kA2.sdesign of the fuse link • for short-circuit protection of the main circuit required • for short-circuit protection of the auxiliary switch required • fuse gL/gG: 10 Afuse gL/gG: 10 Aoperational current of upstream fuse rated value • operational current at AC according to UL 508/UL 60947-4-1 rated value32 Aoperating voltage at AC at 50/60 Hz according to UL 508/UL • 600 V600 Voperating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value20active power [hp] at AC at 480 V according to UL 508/UL 60947- 4-1 rated value20active power [hp] at AC at 600 V according to UL 508/UL 60947- 4-1 rated value20	 at 240 V for combination switch + gG fuse maximum 	4.5 kA
permissibleI2t value with closed switch• at 240 V for combination switch + gG fuse maximum9 kA2.s• at 440 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.sdesign of the fuse link• for short-circuit protection of the main circuit requiredfuse gL/gG: 40 A• for short-circuit protection of the auxiliary switch requiredfuse gL/gG: 10 Aoperational current of upstream fuse rated value32 Aaccording ULoperating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated valueactive power [hp] at AC at 480 V according to UL 508/UL 60947-4 4-1 rated valueactive power [hp] at AC at 600 V according to UL 508/UL 60947-4 4-1 rated valueactive power [hp] at AC at 600 V according to UL 508/UL 60947-4 4-1 rated valueactive power [hp] at AC at 600 V according to UL 508/UL 60947-4 4-1 rated value	 at 440 V for combination switch + gG fuse maximum 	4.5 kA
I2t value with closed switch I2t value with closed switch • at 240 V for combination switch + gG fuse maximum 9 kA2.s • at 440 V for combination switch + gG fuse maximum 9 kA2.s • at 690 V for combination switch + gG fuse maximum 9 kA2.s design of the fuse link 10 km second • for short-circuit protection of the main circuit required fuse gL/gG: 40 A • for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A operational current of upstream fuse rated value 32 A according UL 32 A operational current at AC according to UL 508/UL 60947-4-1 32 A rated value 600 V operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 20 active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 20 active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 20		5 kA
 at 240 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum bt 42.s at 690 V for combination switch + gG fuse maximum bt 42.s bt 4690 V for combination switch + gG fuse maximum bt 42.s bt 4690 V for combination switch + gG fuse maximum bt 42.s bt 4690 V for combination switch + gG fuse maximum bt 42.s bt 42.s		
• at 440 V for combination switch + gG fuse maximum9 kA2.s• at 690 V for combination switch + gG fuse maximum9 kA2.sdesign of the fuse link9 kA2.s• for short-circuit protection of the main circuit requiredfuse gL/gG: 40 A• for short-circuit protection of the auxiliary switch requiredfuse gL/gG: 10 Aoperational current of upstream fuse rated value32 Aaccording UL0operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-132 Aactive power [hp] at AC at 480 V according to UL 508/UL 60947- 4-1 rated value600 Vactive power [hp] at AC at 600 V according to UL 508/UL 60947- 4-1 rated value20		
• at 690 V for combination switch + gG fuse maximum9 kA2.sdesign of the fuse link•• for short-circuit protection of the main circuit requiredfuse gL/gG: 40 A• for short-circuit protection of the auxiliary switch requiredfuse gL/gG: 10 Aoperational current of upstream fuse rated value32 Aaccording UL32 Aoperating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-132 Aactive power [hp] at AC at 480 V according to UL 508/UL 60947- 4-1 rated value600 Vactive power [hp] at AC at 600 V according to UL 508/UL 60947- 4-1 rated value20	-	
design of the fuse link for short-circuit protection of the main circuit required fuse gL/gG: 40 A for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A operational current of upstream fuse rated value 32 A according UL 	-	
• for short-circuit protection of the main circuit required fuse gL/gG: 40 A • for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A operational current of upstream fuse rated value 32 A according UL 32 A operational current at AC according to UL 508/UL 60947-4-1 rated value 32 A operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 cover [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value 600 V active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value 20 active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value 20		9 kA2.s
• for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A operational current of upstream fuse rated value 32 A according UL operational current at AC according to UL 508/UL 60947-4-1 rated value 32 A operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value 600 V active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value 20 active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value 20		
operational current of upstream fuse rated value32 Aaccording UL32 Aoperational current at AC according to UL 508/UL 60947-4-1 rated value32 Aoperating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value600 Vactive power [hp] at AC at 480 V according to UL 508/UL 60947- 4-1 rated value20active power [hp] at AC at 600 V according to UL 508/UL 60947- 4-1 rated value20		
according UL operational current at AC according to UL 508/UL 60947-4-1 32 A rated value 600 V operating voltage at AC at 50/60 Hz according to UL 508/UL 600 V active power [hp] at AC at 480 V according to UL 508/UL 60947- 4-1 rated value 20 active power [hp] at AC at 600 V according to UL 508/UL 60947- 4-1 rated value 20		
operational current at AC according to UL 508/UL 60947-4-1 rated value32 Aoperating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value600 Vactive power [hp] at AC at 480 V according to UL 508/UL 60947- 4-1 rated value20active power [hp] at AC at 600 V according to UL 508/UL 60947- 4-1 rated value20		32 A
rated value600 Voperating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value600 Vactive power [hp] at AC at 480 V according to UL 508/UL 60947- 4-1 rated value20active power [hp] at AC at 600 V according to UL 508/UL 60947- 4-1 rated value20		
60947-4-1 rated value 20 active power [hp] at AC at 480 V according to UL 508/UL 60947- 20 4-1 rated value 20 active power [hp] at AC at 600 V according to UL 508/UL 60947- 20 4-1 rated value 20	rated value	32 A
4-1 rated value 20 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

508/111 600/17 / 1	
508/UL 60947-4-1	50 A
continuous current of upstream fuse according to UL rated value	50 A
type of fuse according to UL Connections	RK5
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 mm ²)
 finely stranded with core end processing 	1x (2.516 mm²)
• stranded	1x (2.5 to 16 mm ²)
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	47 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	IN UK CE
CCC UL	EG-Konf.
other Environment	
Confirmation Miscellaneous Environmental	Con-
<u>firmation</u>	

 Further information

 Siemens has decided to exit the Russian market (see here). https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

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

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

 Information on the packaging

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

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

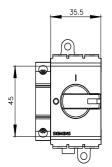
http://www.siemens.com/lowvoltage/catalogs

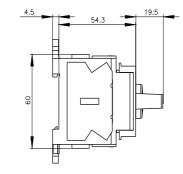
Industry Mall (Online ordering system)

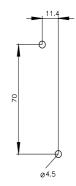
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3LD3230-1TK11 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3LD3230-1TK11 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD3230-1TK11 CAx-Online-Generator

http://www.siemens.com/cax Tender specifications

http://www.siemens.com/specifications







last modified:

6/20/2023 🖸

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Siemens: 3LD32301TK11