SIEMENS

Data sheet 3LD3230-0TL13



Load disconnector 3LD3, Iu 32 A Main switch 3-pole + N Rated operating capacity for AC-23 A at 400V 11.5kW Installation in distribution boards, Basic switch with selector knob red / yellow

Model	
product brand name	SENTRON
product designation	Switch disconnector
design of the product	EMERGENCY-STOP 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	red
design of handle	knob-operated mechanism, red/yellow
type of the driving mechanism motor drive	No
General technical data	
number of poles	4
number of poles note	4
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 AC-23 A at 240 V rated value 	6 kW
 at AC-23 A at 400 V rated value 	12 kW
 at AC-23 A at 440 V rated value 	11.5 kW
 at AC-23 A at 690 V rated value 	12 kW
 at AC-3 at 240 V rated value 	5.5 kW
at AC-3 at 400 V rated value	10 kW
at AC-3 at 690 V rated value	9.5 kW
Auxiliary circuit	
number of CO contacts for auxiliary contacts	0
number of NC contacts for auxiliary contacts	0
number of NO contacts for auxiliary contacts	0
operating voltage of auxiliary contacts at AC maximum	500 V
continuous current of the auxiliary contact rated value	10 A
insulation voltage of the auxiliary switch rated value	500 V
Suitability	
suitability for use	
main switch	Yes
 switch disconnector 	Yes
EMERGENCY OFF switch	Yes
• safety switch	Yes
maintenance/repair switch	Yes
Product details	
special product feature	Can be locked in zero position
product feature can be locked into OFF position	Yes
accessories	
product extension optional	
 motor drive 	No
voltage trigger	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 CO contacts for auxiliary contacts attachable maximum	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	
 at 240 V for combination switch + gG fuse maximum 	4.5 kA
• at 440 V for combination switch + gG fuse maximum	4.5 kA
 at 690 V for combination switch + gG fuse maximum permissible 	5 kA
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	
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	
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
short-time withstand current (SCCR) at 600 V according to UL	5 kA

continuous current of upstream fuse according to UL rated value type of fuse according to UL Connectors AWG number as coded connectable conductor cross section sold maximum maximum maximum finely stranded with core end processing stranded strander stranded stranded stranded stranded strander stranded strander stranded strander stranded strander s		
type of fuse according to UL Connections ANVC number as coded connectable conductor cross section solid maximum maximum solid minimum type of connectable conductor cross-sections for copper conductor solid finely stranded with core end processing stranded type of connectable conductor cross-sections for auxiliary contacts solid stranded type of connectable conductor cross-sections for auxiliary contacts solid stranded type of connectable conductor cross-sections for auxiliary contacts stranded type of connectable conductor cross-sections for auxiliary contacts stranded type of celectrical connection finely stranded with core end processing type of electrical connection for main current circuit for main current circuit for main current circuit for auxiliary contacts Box terminals Mochanical Dosign height for device fastening method fastening met	508/UL 60947-4-1	
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• finely stranded with core end processing • stranded type of connectable conductor cross-sections for auxiliary contacts • solid • solid • stranded with core end processing • solid • finely stranded with core end processing • stranded • finely stranded with core end processing • stranded type of electrical connection • for main current circuit • for auxiliary contacts **Mechanical Design** height • depth		
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type of connectable conductor cross-sections for auxiliary contacts • solid • solid • finely stranded with core end processing • stranded 2x (0.75 2.5 mm²), 1x 4 mm² • stranded 2x (0.75 2.5 mm²), 1x 4 mm² type of electrical connection • for main current circuit • for auxiliary contacts Mechanical Design height 60 mm width 49 mm depth 77 mm type of device fixed mounting • fixed mounting • 4-hole front mounting • front mounting with central attachment • rail mounting net weight 2x (0.75 2.5 mm²), 1x 4 mm² 2x (0.75 2.5 mm² 2x (0.75 2.	 finely stranded with core end processing 	1x (2.516 mm²)
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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	• solid	2x (0.75 2.5 mm²), 1x 4 mm²
type of electrical connection	 finely stranded with core end processing 	2x (0.75 1.5 mm²), 1x 2.5 mm²
for main current circuit for auxiliary contacts Box terminals Mechanical Design height for main current circuit height for main fixed-mounting height	stranded	2x (0.75 2.5 mm²), 1x 4 mm²
• for auxiliary contacts Mechanical Design height 60 mm width 49 mm depth 77 mm type of device fixed mounting fastening method • 4-hole front mounting • front mounting with central attachment • rail mounting net weight 200 g Environmental conditions ambient temperature during operation • minimum • maximum • 55 °C • maximum • maximum • 55 °C	type of electrical connection	
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width 49 mm depth 77 mm type of device fixed mounting fastening method eastening method • 4-hole front mounting • front mounting with central attachment • rail mounting residuate temperature during operation • minimum • maximum • 55 °C	Mechanical Design	
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fastening method • 4-hole front mounting • front mounting with central attachment • rail mounting ret weight 200 g Environmental conditions ambient temperature during operation • minimum • maximum 55 °C ambient temperature during storage • minimum -25 °C ambient temperature during storage • minimum -25 °C 55 °C	type of device	fixed mounting
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net weight Environmental conditions ambient temperature during operation • minimum • maximum • maximum 55 °C ambient temperature during storage • minimum -25 °C • maximum 55 °C	 front mounting with central attachment 	No
Environmental conditions ambient temperature during operation • minimum • maximum 55 °C ambient temperature during storage • minimum -25 °C • maximum 55 °C	rail mounting	Yes
ambient temperature during operation • minimum • maximum 55 °C ambient temperature during storage • minimum -25 °C • maximum 55 °C	net weight	200 g
 minimum -25 °C maximum 55 °C ambient temperature during storage minimum -25 °C maximum 55 °C 	Environmental conditions	
 maximum 55 °C ambient temperature during storage minimum -25 °C maximum 55 °C 	ambient temperature during operation	
ambient temperature during storage ■ minimum ■ 25 °C ■ maximum 55 °C	• minimum	-25 °C
 minimum -25 °C maximum 55 °C 	maximum	55 °C
• maximum 55 °C	ambient temperature during storage	
	• minimum	-25 °C
General Product Approval Declaration of Conformity	• maximum	55 °C
	General Product Approval	Declaration of Conformity



Confirmation









other Environment

<u>Miscellaneous</u> <u>Confirmation</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=3LD3230-0TL13

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

https://support.industry.siemens.com/cs/ww/en/ps/3LD3230-0TL13

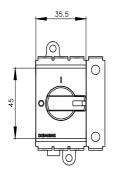
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD3230-0TL13

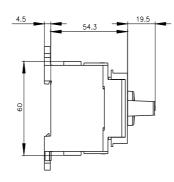
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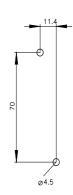
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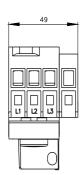
Tender specifications

http://www.siemens.com/specifications









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