



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 with auxiliary switch 1OE + 1S

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	1
number of NO contacts for auxiliary contacts	1
operating voltage of auxiliary contacts at AC maximum	500 V
continuous current of the auxiliary contact rated value	10 A

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
I _{2t} 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 508/UL 60947-4-1	5 kA

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						
•	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 (2.5...16 mm ²)						
• stranded	1x (2.5 to 16 mm ²)						
type of connectable conductor cross-sections for auxiliary contacts							
• solid	2x (0.75 ... 2.5 mm ²), 1x 4 mm ²						
• finely stranded with core end processing	2x (0.75 ... 1.5 mm ²), 1x 2.5 mm ²						
• stranded	2x (0.75 ... 2.5 mm ²), 1x 4 mm ²						
type of electrical connection							
• for main current circuit	box terminal						
• for auxiliary contacts	Box terminals						
Mechanical Design							
height	60 mm						
width	60 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						
Approvals Certificates							
General Product Approval							
		Confirmation					
other	Environment						
Confirmation	Miscellaneous	Environmental Confirmations	Environmental Confirmations				
Further information							
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=3LD3230-1TL13							
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3LD3230-1TL13							
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)							

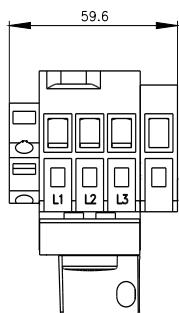
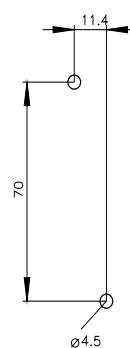
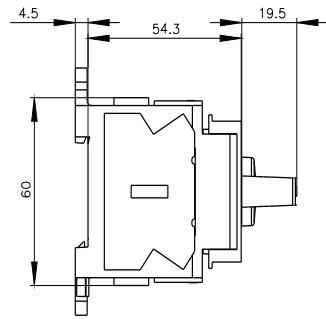
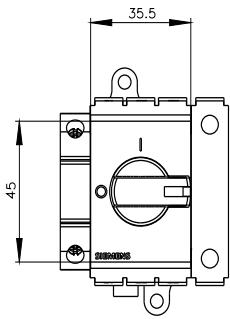
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD3230-1TL13

CAx-Online-Generator

<http://www.siemens.com/cax>

Tender specifications

<http://www.siemens.com/specifications>



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