SIEMENS

Data sheet

3LD2230-0TK13



SENTRON, Switch disconnector 3LD, emergency switching-off switch, 3- pole, lu: 32 A, operating power / at AC-23 A 400 V: 11.5 kW, installation in distribution boards, knob-operated mechanism, Red / yellow, handle direct at the switch

product brand name SENTRON product designation Switch disconnector design of the product EMERGENOX-STOP switch dipphy version for switch position indicator manual operation ION - 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 Otherral tacking element 2 number of poles 3 size of switch disconnector 2 mechanical service life (operating cycles) typical 100 000 electrical endurance (operating cycles) typical 100 ADD electrical endurance (operating cycles) typical 100 000 electrical endurance (operating cycles) typical 100 ADD electrical endurance (operating cycles) typical 600 V surge orbiage resistance rated value <th>Model</th> <th></th>	Model			
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design of handle knob-operated mechanism, red/yellow type of the driving mechanism motor drive No Ceneral technical data	design of the actuating element	selector switch		
type of the driving mechanism motor drive No General technical data	color of the actuating element	red		
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 at AC-21 A at 400 V rated value at AC-21 A at 440 V rated value 32 A 32 A 	• at AC-21 at 690 V rated value	32 A		
• at AC-21 A at 440 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-23 A at 400 V rated value 22 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
suitability for use switch disconnector	Yes
suitability for use EMERGENCY OFF switch	Yes
suitability for use safety switch	Yes
suitability for use maintenance/repair switch	Yes
Product details	Vaa
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 690 V by gG fuse rated value 	50 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	40 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
00347-4-1 Taleu Value	
short-time withstand current (SCCR) at 600 V according to UL 508/UL 60947-4-1	5 kA

continuous current of upstream fuse acc	cording to UL rated	80 A		
type of fuse according to UL		RK5		
Connections				
AWG number as coded connectable con section solid maximum	ductor cross			
•		8		
•		14		
type of connectable conductor cross-sec conductor	ctions for copper			
• solid		1x (1,516mm²)		
 finely stranded with core end process 	sing	1x (1,510mm²)		
stranded		1x (1,516mm²)		
type of connectable conductor cross-sec contacts	ctions for auxiliary			
• solid		2x (0.75 2.5 mm ²), 1x 4		
 finely stranded with core end process 	sing	2x (0.75 1.5 mm²), 1x 2.		
stranded		2x (0.75 2.5 mm²), 1x 4	mm²	
type of electrical connection				
for main current circuit		box terminal		
for auxiliary contacts		connection terminals		
Mechanical Design				
height		55 mm		
width		53 mm		
depth		91 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 	nt	No		
rail mounting		Yes		
net weight		166 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				
	CE	Confirmation	መ	DE
	EG-Konf.			VDE
General Product Approval	Marine / Shippi	ng other		Environment
Miscellaneous EFFC	Llovd's Register us	<u>Confirmation</u>	<u>Miscellaneous</u>	Environmental Con- firmations
Environment				
Environmental Con- firmations				

Information on the packaging

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

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

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

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3LD2230-0TK13

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3LD2230-0TK13

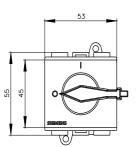
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2230-0TK13

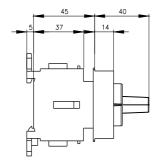
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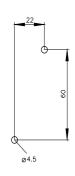
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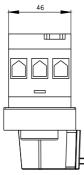
Tender specifications

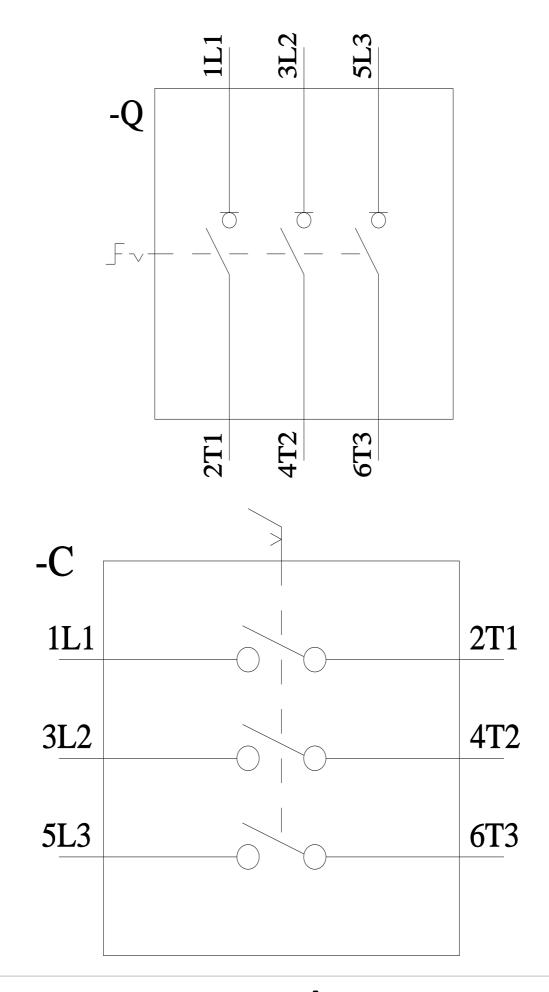
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