SIEMENS

Data sheet

3LD3140-0TK11



Load disconnector 3LD3, lu 25 A Main switch 3-pole Rated operating capacity at AC-23 A at 400V 9.0kW floor mounting Basic switch with door coupling Central hole mounting 22.5mm Toggle drive black 48x48 mm

product brand name SENTRON product designation 3LD Switch disconnector design of the product Main switch display version / for switch position indicator manual operation 1ON - 0 OFF type of switch Floor mounting with door coupling design of the actuating element selector switch color / of the actuating element black design of handle knob-operated mechanism, black (seign of the actuating element black design of the actuating element black number of poles / note 3 extra AC23 A/ at 800 V 60 000 operating frequency / maximum 60 1/h degree of pollution 3 Voltage extended actuate extra C/2 rated value 690 V operating frequency / naximum 60 Hz	Model		
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display version / for switch position indicator manual operation 1 ON - 0 OFF type of switch Floor mounting with door coupling design of the actuating element black design of handle knot-operated mechanism, black type of switch No design of handle knot-operated mechanism, black humber of poles 3 number of poles / note 3 mechanical service life (switching cycles) / typical 100 000 electrical endurance (switching cycles) / typical 100 000 electrical endurance (switching cycles) / typical 100 000 operating frequency / maximum 50 1/h degree of pollution 3 Voltage 680 V surge voltage resistance / rated value 690 V operating frequency / rated value 690 V operating frequency / rated value 690 V operating frequency / rated value 690 V operating requency / rated value 690 V operating requency / rated value 60 Hz Protection class IP IP65 degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP / on the front	product designation	3LD Switch disconnector	
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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 number of poles / note 3 mechanical service life (switching cycles) / typical 100 000 electrical endurance (switching cycles) / typical 6 000 operating frequency / maximum 50 1/h degree of pollution 3 Voltage insulation voltage / rated value operating frequency / maximum 690 V surge voltage resistance / rated value 690 V operating voltage 64kV operating voltage 690 V entinhum 50 Hz operating frequency / rated value 690 V operating frequency / rated value		1 ON - 0 OFF	
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type of the driving mechanism / motor drive No General technical data	color / of the actuating element	black	
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number of poles 3 number of poles / note 3 mechanical service life (switching cycles) / typical 100 000 electrical endurance (switching cycles) 6 000 operating frequency / maximum 6 000 operating frequency / maximum 50 1/h degree of pollution 3 Voltage 690 V insulation voltage / rated value 690 V operating voltage resistance / rated value 690 V operating voltage 64V operating requency / rated value 690 V operating requency / rated value 690 V operating frequency / rated value 70 Hz maximum 60 Hz Protection class IP IP65 protection class IP on the front IP65 Dissipation power loss [W] / for rated value of the current / at AC / in hot operating state / per pole 1.1 W current 25 A operational current / rated value	type of the driving mechanism / motor drive	No	
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• at AC-23 A / at 690 V 6 000 operating frequency / maximum 50 1/h degree of pollution 3 Voltage 690 V insulation voltage / rated value 690 V surge voltage resistance / rated value 690 V operating voltage 690 V • at AC / rated value 690 V operating requency / rated value 690 V operating frequency / rated value 50 Hz • maximum 50 Hz fortection class IP IP65 degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP / on the front IP65 Dissipation 1.1 W power loss [W] / for rated value of the current / at AC / in hot operating state / per pole 25 A operational current 25 A	mechanical service life (switching cycles) / typical	100 000	
operating frequency / maximum 50 1/h degree of pollution 3 Voltage 690 V insulation voltage / rated value 690 V surge voltage resistance / rated value 690 V operating voltage 690 V • at AC / rated value 690 V operating frequency / rated value 600 Hz Protection class Protection class IP protection class IP IP65 degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP / on the front IP65 Dissipation 1.1 W power loss [W] / for rated value of the current / at AC / in hot operating state / per pole 25 A operational current / rated value 25 A	electrical endurance (switching cycles)		
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surge voltage resistance / rated value 6 kV operating voltage 690 V operating frequency / rated value 690 V operating frequency / rated value 60 Hz • minimum 50 Hz • maximum 60 Hz Protection class IP65 degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP / on the front IP65 Dissipation 1.1 W power loss [W] / for rated value of the current / at AC / in hot operating state / per pole 1.1 W operational current 25 A operational current 25 A	Voltage		
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• at AC / rated value 690 V operating frequency / rated value 50 Hz • minimum 60 Hz Protection class 60 Hz protection class IP IP65 degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP / on the front IP65 Dissipation 1.1 W power loss [W] / for rated value of the current / at AC / in hot operating state / per pole 1.1 W current 25 A operational current 25 A	surge voltage resistance / rated value	6 kV	
operating frequency / rated value 50 Hz • maximum 60 Hz Protection class protection class IP IP65 degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP / on the front IP65 degree of protection vector ve	operating voltage		
• minimum 50 Hz • maximum 60 Hz Protection class protection class IP IP65 degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP / on the front IP65 Dissipation IP65 power loss [W] / for rated value of the current / at AC / in hot operating state / per pole 1.1 W Current 25 A operational current 25 A	at AC / rated value	690 V	
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hot operating state / per pole Current operational current / rated value 25 A operational current 25 A • at 40 °C / rated value 25 A	Dissipation		
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operational current • at 40 °C / rated value 25 A	Current		
• at 40 °C / rated value 25 A	operational current / rated value	25 A	
	operational current		
• at 45 °C / rated value 25 A	• at 40 °C / rated value	25 A	
	• at 45 °C / rated value	25 A	

a at 50 °C / anto diversity	
• at 50 °C / rated value	25 A
• at 55 °C / rated value	25 A
at AC / rated value	25 A
Main circuit	
operational current	
 at AC-21 / at 690 V / rated value 	25 A
 at AC-21 A / at 240 V / rated value 	25 A
 at AC-21 A / at 400 V / rated value 	25 A
 at AC-21 A / at 440 V / rated value 	25 A
at AC-23 A / at 400 V / rated value	20 A
operating power	
 at AC-23 A / at 240 V / rated value 	4 kW
 at AC-23 A / at 400 V / rated value 	10 kW
 at AC-23 A / at 440 V / rated value 	9 kW
 at AC-23 A / at 690 V / rated value 	9 kW
 at AC-3 / at 240 V / rated value 	4 kW
• at AC-3 / at 400 V / rated value	8 kW
• at AC-3 / at 690 V / rated value	7.5 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 	No
 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	2
/ attachable / maximum	
number of connectable NO contacts / for auxiliary contacts	4
/ attachable / maximum	
number of connectable CO contacts / for auxiliary contacts	0
/ attachable / maximum	
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 /	3.5 kA
maximum	0.0 10 1
• at 440 V / for combination switch + gG fuse /	3.5 kA
maximum	
• at 690 V / for combination switch + gG fuse /	4 kA
maximum permissible	
I2t value / with closed switch	
 at 240 V / for combination switch + gG fuse / 	4 kA2.s

maximum	
 at 440 V / for combination switch + gG fuse / 	4 kA2.s
maximum	
 at 690 V / for combination switch + gG fuse / maximum 	4 kA2.s
design of the fuse link	
 for short-circuit protection of the main circuit / required 	fuse gL/gG: 25 A
 for short-circuit protection of the auxiliary switch / required 	fuse gL/gG: 10 A
operational current / of upstream fuse / rated value	25 A
according UL	
operational current / at AC / according to UL 508/UL 60947-4-1 / rated value	25 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	10
active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value	15
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
• 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 stranded 	1x (2.516 mm²) 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	hey terminal
 for main current circuit for auxiliary contacts 	box terminal Box terminals
Mechanical Design	
height	60 mm
width	36 mm
depth	380 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	Yes
rail mounting	Yes
net weight	300 g
Environmental conditions	
ambient temperature / during operation minimum 	-25 °C
• maximum	-25 °C
ambient temperature / during storage	
minimum	-25 °C
• maximum	55 °C
General Product Approval	Declaration of Conformity

Confirmation







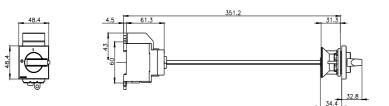
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other

Miscellaneous

Further information

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=3LD3140-0TK11 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3LD3140-0TK11 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD3140-0TK11 CAx-Online-Generator http://www.siemens.com/cax Tender specifications http://www.siemens.com/specifications





UK

Boden/ Base/ Plancher/ Base/ Pavimento/ Fundo

11.4



