SIEMENS

Data sheet

3LD3154-0TK53



Load disconnector 3LD3, lu 25 A Main switch 3-pole Rated operating capacity at AC-23 A at 400V 9.0kW Front plate mounting Basic switch with Central hole mounting 22.5mm Toggle drive red / yellow 66x66 mm

product brand name SENTRON product designation Switch disconnector design of the product EMERGENCV-STOP switch display version for switch position indicator manual operation 10N - 0 OFF type of switch front mounted design of the actuating element red color of the actuating element red design of handle rolary operating mechanism, red/yellow type of switch a design of handle rolary operating mechanism, red/yellow type of the driving mechanism motor drive No Ceneral technical data number of poles number of poles note 3 number of poles note 3 extracting cycles) typical 100 000 electrical envice (lecperating cycles) typical 100 000 operating frequency maximum 60 1/h degree of pollution 3 votage stat Ac:23 At 800 V operating frequency maximum 60 0V operating frequency maximum 60 V operating frequency rated value 600 V operating frequency rated value </th <th>Model</th> <th></th>	Model	
design of the product EMERGENCY-STOP switch display version for switch position indicator manual operation 1 ON - 0 OFF type of switch font mounted design of the actuating element Short rotary knob color of the actuating element red design of handle rotary operating mechanism, red/yellow type of the driving mechanism motor drive No Concrit the indicator and the indicator	product brand name	SENTRON
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color of the actuating element red design of handle rotary operating mechanism, red/yellow type of the driving mechanism motor drive No Conoral technical data Image: Conoral technical data number of poles 3 number of poles note 3 mechanical service life (operating cycles) typical 100 000 electrical endurance (operating cycles) 6 000 • at AC-23 A at 690 V 6 000 operating frequency maximum 50 1/h dogree of pollution 3 Voltage Insulation voltage rated value • at AC rated value 690 V operating trequency 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 frequency rated value 690 V operating frequency rated value 60 Hz Protection class IP IP65 protection class IP IP65 degree of nolas IP on the front IP65 operating subject on the front IP65 Dissipation 1.1 W power loss IV) for rated value of the current at AC in hot operating subject on the front term 1.1 W	type of switch	front mounted
design of handle rotary operating mechanism, red/yellow type of the driving mechanism motor drive No General technical data	design of the actuating element	Short rotary knob
type of the driving mechanism motor drive No Central technical data	color of the actuating element	red
General technical data number of poles 3 number of poles note 3 mechanical service life (operating cycles) typical 100 000 electrical endurance (operating cycles) 6 000 operating frequency maximum 50 1/h degree of pollution 3 Voltage	design of handle	rotary operating mechanism, red/yellow
number of poles 3 number of poles note 3 mechanical service life (operating cycles) typical 100 000 electrical endurance (operating cycles) 6 000 operating frequency maximum 50 1/h degree of pollution 3 Voltage insulation voltage rated value insulation voltage rated value 690 V surge voltage resistance rated value 690 V operating frequency maximum 60 kV operating voltage eat AC rated value • at AC rated value 690 V operating frequency rated value 100 Hz Protection class IP IP65 degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP IP65 Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole 1.1 W Main circuit 25 A	type of the driving mechanism motor drive	No
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• at AC rated value690 Voperating frequency rated value50 Hz• minimum60 HzProtection classProtection class IPprotection class IPIP65degree of protection NEMA rating1, 3R, 4X, 12protection class IP on the frontIP65DissipationIP65Dissipation1.1 Woperating state per pole1.1 Woperating state per pole25 A• at AC-21 at 690 V rated value25 A• at AC-21 A at 400 V rated value25 A	surge voltage resistance rated value	6 kV
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• maximum60 HzProtection classIP65degree of protection NEMA rating1, 3R, 4X, 12protection class IP on the frontIP65DissipationIP65power loss [W] for rated value of the current at AC in hot operating state per pole1.1 WMain circuit1.1 Woperational current25 A• at AC-21 at 690 V rated value25 A• at AC-21 A at 240 V rated value25 A• at AC-21 A at 400 V rated value25 A	operating frequency rated value	
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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 Main circuit 0 operational current e at AC-21 at 690 V rated value e at AC-21 A at 240 V rated value 25 A e at AC-21 A at 400 V rated value 25 A	Protection class	
protection class IP on the front IP65 Dissipation IIP65 power loss [W] for rated value of the current at AC in hot operating state per pole 1.1 W Main circuit Main circuit operational current 25 A • at AC-21 A at 240 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	protection class IP	IP65
Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole 1.1 W Main circuit operational current • at AC-21 at 690 V rated value • at AC-21 A at 240 V rated value 25 A • at AC-21 A at 240 V rated value 25 A • at AC-21 A at 240 V rated value 25 A	degree of protection NEMA rating	1, 3R, 4X, 12
power loss [W] for rated value of the current at AC in hot operating state per pole 1.1 W Main circuit	protection class IP on the front	IP65
operating state per pole 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	Dissipation	
operational current• at AC-21 at 690 V rated value25 A• at AC-21 A at 240 V rated value25 A• at AC-21 A at 400 V rated value25 A		1.1 W
• at AC-21 at 690 V rated value25 A• at AC-21 A at 240 V rated value25 A• at AC-21 A at 400 V rated value25 A	Main circuit	
at AC-21 A at 240 V rated value 25 A at AC-21 A at 400 V rated value 25 A	operational current	
• at AC-21 A at 400 V rated value 25 A	• 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 440 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

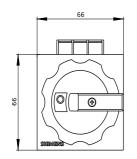
 at AC-23 A at 400 V rated value 	20 A
operating power	2077
at AC-23 A at 240 V rated value	4 kW
at AC-23 A at 400 V rated value	10 kW
at AC-23 A at 440 V rated value	9 kW
• at AC-23 A at 690 V rated value	9 kW
• at AC-3 at 240 V rated value	4 kW
at AC-3 at 400 V rated value	8 kW
at AC-3 at 690 V rated 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
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	
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	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	3
hasp thickness of the bracket locks	4 8 mm
Short circuit	
conditional short-circuit current with line-side fuse protection	
•	
 at 440 V by gG fuse rated value 	10 kA
	10 kA
• at 690 V by gG fuse rated value	10 kA 6 kA
• at 690 V by gG fuse rated value let-through current with closed switch	6 kA
at 690 V by gG fuse rated value let-through current with closed switch • at 240 V for combination switch + gG fuse maximum	6 kA 3.5 kA
 at 690 V by gG fuse rated value let-through current with closed switch at 240 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 	6 kA
 at 690 V by gG fuse rated value let-through current with closed switch at 240 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 permissible 	6 kA 3.5 kA 3.5 kA
 at 690 V by gG fuse rated value let-through current with closed switch at 240 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 permissible l2t value with closed switch 	6 kA 3.5 kA 3.5 kA 4 kA
 at 690 V by gG fuse rated value let-through current with closed switch at 240 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 permissible l2t value with closed switch at 240 V for combination switch + gG fuse maximum 	6 kA 3.5 kA 3.5 kA 4 kA 4 kA
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 at 690 V by gG fuse rated value let-through current with closed switch at 240 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 permissible l2t value with closed switch at 240 V for combination switch + gG fuse maximum 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 440 V for combination switch + gG fuse maximum 	6 kA 3.5 kA 3.5 kA 4 kA 4 kA
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 at 690 V by gG fuse rated value let-through current with closed switch at 240 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 permissible l2t value with closed switch at 240 V for combination switch + gG fuse maximum permissible l2t 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 design of the fuse link for short-circuit protection of the main circuit required for short-circuit protection of the auxiliary switch required operational current of upstream fuse rated value according UL operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 480 V according to UL 508/UL 	6 kA 3.5 kA 3.5 kA 4 kA2.s 4 kA2.s 4 kA2.s 4 kA2.s fuse gL/gG: 25 A fuse gL/gG: 10 A 25 A 25 A 600 V

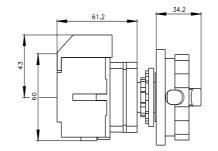
60947-4-1 rated value	
short-time withstand current (SCCR) at 600 V according to JL 508/UL 60947-4-1	5 kA
continuous current of upstream fuse according to UL rated value	50 A
type of fuse according to UL	RK5
onnections	
AWG number as coded connectable conductor cross	
section solid maximum	
•	6
•	14
type of connectable conductor cross-sections for copper conductor	
• solid	1x (2.5 to 16 mm ²)
 finely stranded with core end processing 	1x (2.516 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
ype of electrical connection	
 for main current circuit 	box terminal
for auxiliary contacts	Box terminals
echanical Design	
neight	60 mm
width	36 mm
depth	114 mm
type of device	fixed mounting
astening method	Built-in unit fixed-mounted version
astening method	
 4-hole front mounting 	No
 front mounting with central attachment 	Yes
rail mounting	No
net weight	200 g
vironmental conditions	
ambient temperature during operation	
• minimum	-25 °C
• maximum	55 °C
ambient temperature during storage	
● minimum	-25 °C
• maximum	55 °C
oprovals Certificates	
General Product Approval	
other Environment	
other Environment	
Miscellaneous Confirmation Environmental	
Miscellaneous Confirmation Environmental	

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)

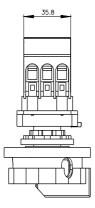
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CAx-Online-Generator http://www.siemens.com/cax Tender specifications http://www.siemens.com/specifications









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