SIEMENS

Data sheet

3LD2514-0TK51



SENTRON, Switch disconnector 3LD, main switch, 3-pole, lu: 63 A, Operating power / at AC-23 A at 400 V: 22 kW, floor mounting with door coupling, rotary operating mechanism, black, 4-hole mounting of the handle

Model		
product brand name	SENTRON	
product designation	3LD Switch disconnector	
design of the product	Main switch	
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	Short rotary knob	
color of the actuating element	black	
design of handle	rotary operating mechanism, black	
type of the driving mechanism motor drive	No	
General technical data		
number of poles	3	
size of switch disconnector	3	
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	IP65	
degree of protection NEMA rating	1, 3R, 4X, 12	
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	4.5 W	
Main circuit		
operational current		
 at AC-21 at 690 V rated value 	63 A	
 at AC-21 A at 240 V rated value 	63 A	
 at AC-21 A at 400 V rated value 	63 A	
 at AC-21 A at 440 V rated value 	63 A	
 at AC-23 A at 400 V rated value 	43 A	

Operating Jone If AC-23 A at 400 V rated value If AC-23 At 400 V rated value If AC-2	operating power	
• • rt AC-33 A # 400 V refet value 22 kW • • rt AC-33 A # 400 V refet value 19 kW • • rt AC-33 A # 600 V refet value 19 kW • • rt AC-33 A # 600 V refet value 19 kW • • rt AC-33 A # 600 V refet value 19 kW • • rt AC-33 A # 600 V refet value 19 kW • • rt AC-33 A # 600 V refet value 19 kW • • rt AC-33 A # 600 V refet value 19 kW • • rt AC-33 A # 600 V refet value 10 A • rt AC-33 A # 600 V refet value 0 • rt AC-33 A # 600 V refet value 0 • rt AC-33 A # 600 V refet value 0 • rt AC-33 A # 600 V refet value 0 • rt AC-33 A # 600 V refet value 0 • rt AC-33 A # 600 V refet value 0 • rt AC-33 A # 600 V refet value 0 • rt AC-33 A # 600 V refet value 0 • rt AC-33 A # 600 V refet value 0 • rt AC-33 A # 600 V refet value 500 V • rt AC-33 A # 600 V refet value 500 V • rt AC-33 A # 600 V refet value 500 V • rt AC-33 A # 600 V refet value 500 V • rt AC-33 A # 600 V refet value 500 V • refet value Ves • refet value Ves • refet value Ves • refet value Ves<	operating power	11 4/1/
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• at AC-3 at 400 V rated value 19 kW • at AC-3 at 600 V rated value 15 kW Auxiliary circuit 0 • number of XC contacts for auxiliary contacts 0 • operating voltage of auxiliary contacts 0 • operating voltage of the auxiliary contact at AC aximum continuous current of the auxiliary contact rated value 500 V Statability • • subtability for use • • number of XC contacts for auxiliary contact rated value 500 V • subtability for use • • which disconnector Yes • onder data re Yes • onder data re > • order data > • order data re > • order data > • order data > • order data re > • order data <		
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operating voltage of auxiliary contacts at AC maximum 500 V suitability Yes • switch disconnector Yes • Switch disconnector Yes • switch disconnector Yes • maintenance/repair switch Yes product detaile Yes product detaile Yes product detaile No outlot drive No • motor drive No • undor drive No	number of NC contacts for auxiliary contacts	0
continuous current of the auxiliary contact rated value 500 V Suitability 500 V Suitability for use • main switch • main switch Yes • switch disconnector Yes • EMERGENCY OFF switch Yes • maintenance/regult switch Yes • maintenance/regult switch Yes Product dealine • product dealine can be locked into OFF position Yes • motor drive No • voltage tigger No • unding to connectable NO contacts for auxiliary contacts 5 • attachable maximum 3 • hasp thickness of the bracket locks 4 & mm Short circuit 5 • attachable maximum 6 kA • at 400 V for combination switch + gG fuse maximum 6 kA • at 400 V for combination switch + gG fuse	number of NO contacts for auxiliary contacts	0
Insulation voltage of the auxiliary switch rated value 500 V Suitability Suitability for use		500 V
Suitability Suitability suitability For use • main switch Yes • Switch disconnector Yes • EMERCENCY OFF switch No • safety switch Yes • maintenance/repair switch Yes Product deature can be locked into OFF position Yes Product deature can be locked into OFF position Yes excessories product extension optional product extension optional No • woltage trigger No number of connectable NC contacts for auxiliary contacts 3 attachable maximum No number of connectable NO contacts for auxiliary contacts 5 statchable maximum 3 hasp thickness of the bracket locks 4 8 mm Short circuit 50 kA ettrough current with loses which + gG fuse maximum 6 kA et 420 V for combination switch + gG fuse maximum 6 kA et 420 V for combination switch + gG fuse maximum 6 kA et 420 V for combination switch + gG fuse maximum 6 kA et 420 V for combination switch + gG fuse maxim	-	
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60947-4-1 rated value active power [hp] at AC at 600 V according to UL 508/UL 50	operating voltage at AC at 50/60 Hz according to UL	600 V
	active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value	40
	active power [hp] at AC at 600 V according to UL 508/UL	50

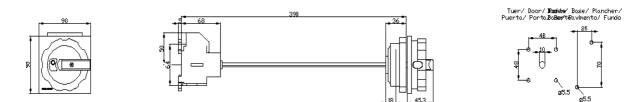
short-time withstand current (SCCR) at 600 V according to	5 kA		
UL 508/UL 60947-4-1	5 MA		
continuous current of upstream fuse according to UL rated value	175 A		
type of fuse according to UL	RK5		
Connections			
AWG number as coded connectable conductor cross section solid			
• maximum	6		
• minimum	14		
type of connectable conductor cross-sections for copper conductor			
• solid	1x (2,535mm²)		
 finely stranded with core end processing stranded 	1x (2.516 mm²) 1x (2,535mm²)		
type of connectable conductor cross-sections for auxiliary contacts			
• solid	lateral auxiliary switch 2x (0,75 2,5mm ²), 1x 4mm ² ; front auxiliary switch 1x (0,75 2,5mm ²)		
 finely stranded with core end processing 	lateral auxiliary switch 2x (0,75 1,5mm ²), 1x 2,5mm ² ; front auxiliary switch 1x 2,5mm ²		
• stranded	lateral auxiliary switch 2x (0,75 2,5mm ²), 1x 4mm ² ; front auxiliary switch 1x (0,75 2,5mm ²)		
type of electrical connection			
for main current circuit	box terminal		
 for auxiliary contacts 	connection terminals		
Mechanical Design			
height	106 mm		
width	90 mm		
depth	468.5 mm		
type of device	fixed mounting		
fastening method	Built-in unit fixed-mounted version		
fastening method 4-hole front mounting 	Yes		
 front mounting with central attachment 	No		
rail mounting	Yes		
net weight	624 g		
Environmental conditions			
ambient temperature during operation			
• minimum	-25 °C		
• maximum	55 °C		
ambient temperature during storage			
• minimum	-25 °C		
maximum	55 °C		
General Product Approval			
Confirmation CSA	Miscellaneous		
General Product Approval Declaration of Conformity	Test Certificates Marine / Shipping		
	Special Test Certific- ate Hoyds US		
other Environment	t		



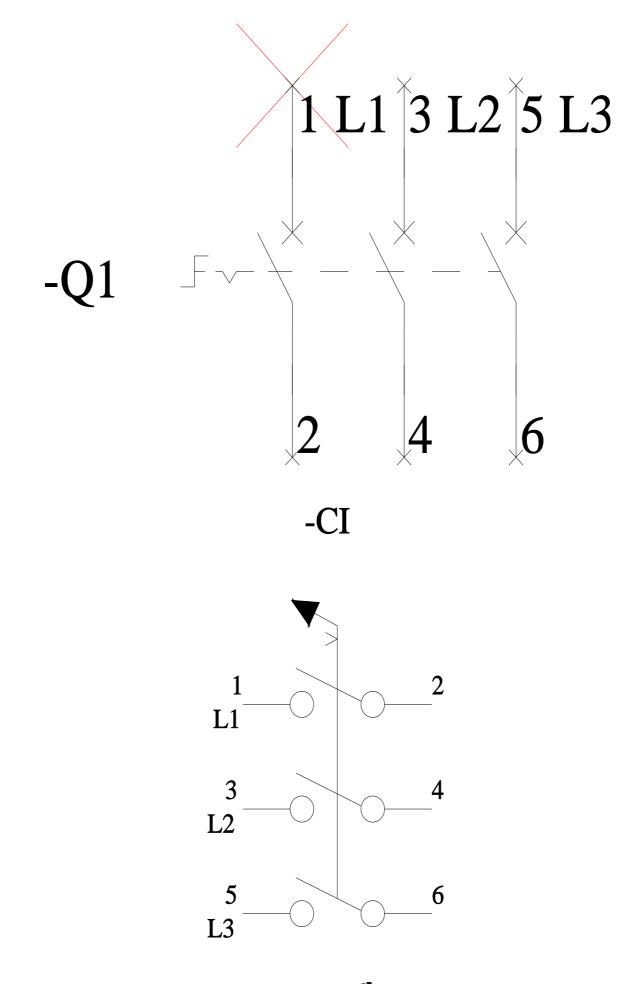
Further	

Siemens has decided to exit the Russian market (see here). 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=3LD2514-0TK51 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3LD2514-0TK51 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2514-0TK51 **CAx-Online-Generator** http://www.siemens.com/cax **Tender specifications**

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