SIEMENS

Data sheet 3LD2264-0TB51



SENTRON, Switch disconnector 3LD, main switch, 3-pole, lu: 32 A, Operating power / at AC-23 A at 400 V: 11.5 kW, molded-plastic encapsulation for metric cable gland, rotary operating mechanism, black

product designation ground designation Switch disconnector design of the product Main switch display version for switch position indicator manual operation 1 ON - 0 OFF Upe of switch Molded-plastic enclosure for metric threaded joint design of the actuating element Short rotary knob color of the actuating element black design of her actuating element When the diving mechanism motor drive No General technical data Number of poles 3 3 Number of poles 3 3 Number of poles 3 3 Number of poles 1 Size of switch disconnector When the service life (operating cycles) typical electrical endurance (operating cycles) • at AC-23 A at 690 V Operating frequency maximum degree of pollution Voltage Insulation voltage rated value operating voltage • at AC rated value • minimum • 50 Hz emaximum • 60 Hz Protection class protection class IP on the front Dissipation power loss [VI) for rated value of the current at AC in hot operating at AC-21 A at 400 V rated value • at AC-21 A at 400 V rated value • at AC-21 A at 400 V rated value • at AC-21 A at 440 V rated value	Model	
design of the product display version for switch position indicator manual operation 1 ON - 0 OFF 1 ype of switch Molded-plastic enclosure for metric threaded joint design of the actuating element color of the actuating element black design of handle ype of the driving mechanism motor drive No Seneral technical data	product brand name	SENTRON
display version for switch position indicator manual operation type of switch design of the actuating element color of the actuating element black design of handle type of the driving mechanism motor drive No General technical data number of poles number of poles note size of switch disconnector electrical endurance (operating cycles) at AC-22 A at 690 V operating voltage at AC rated value minimum sin the Color the driving operation at AC in hot operations discon Pole 1 ON - 0 OFF No Main circuit operation greece or protection NEMA rating protection class IP on the front Dissipation Main circuit operations at 2A 2A 2A 4A 2A 0V 7ated value at AC-21 A at 24 0V V rated value at AC-21 A at 24 0V V rated value at AC-21 A at 24 0V V rated value at AC-21 A at 24 0V V rated value at AC-21 A at 24 0V V rated value at AC-21 A at 24 0V V rated value at AC-21 A at 24 0V V rated value at AC-21 A at 24 0V V rated value at AC-21 A at 240 V V rated value at AC-21 A at 240 V V rated value at AC-21 A at 400 V vated value	product designation	Switch disconnector
type of switch design of the actuating element color of the actuating element design of handle type of the driving mechanism motor drive No Ceneral technical data number of poles number of poles note size of switch disconnector electrical endurance (operating cycles) typical electrical endurance (operating cycles) typical electrical endurance (operating cycles) • at AC-23 A at 690 V operating frequency maximum for polating rated value operating frequency rated value • minimum • maximum Protection class IP degree of protection NEMA rating protection class IP on the front power loss [W] for rated value operating state per pole Main circutt • at AC-21 at 890 V rated value • at AC-21 at 890 V rated value • at AC-21 at 840 V rated value • at AC-21 at 840 V rated value Operating frequency rated value • at AC-21 at 840 V rated value Operating frequency rated value • at AC-21 at 840 V rated value Operating state per pole Main circutt • at AC-21 at 840 V rated value	design of the product	Main switch
design of the actuating element black color of the actuating element black design of handle rotary operating mechanism, black bype of the driving mechanism motor drive No General technical data number of poles 3 number of poles 10 N + PE size of switch disconnector 2 mechanical service life (operating cycles) typical 100 000 electrical endurance (operating cycles) value 60 00 00 00 00 00 00 00 00 00 00 00 00	display version for switch position indicator manual operation	1 ON - 0 OFF
color of the actuating element design of handle type of the driving mechanism motor drive No General technical data number of poles number of poles note size of switch disconnector electrical endurance (operating cycles) typical electrical endurance (operating cycles) typical electrical endurance (operating cycles) • at AC-23 A at 690 V operating frequency maximum for operating frequency maximum for operating frequency maximum for operating frequency maximum for operating voltage at AC rated value for operating voltage • at AC rated value for operating frequency rated value for other for other operating frequency rated value for other operating frequency rated value for other operating frequency rated value for other operating state per pole Main circuit foreign of the driving mechanism, black for other operating state per pole for other operating state per pole for other other operating state per pole for other operating state per pol	type of switch	Molded-plastic enclosure for metric threaded joint
design of handle rotary operating mechanism, black type of the driving mechanism motor drive No Ceneral technical data	design of the actuating element	Short rotary knob
type of the driving mechanism motor drive General technical data number of poles 3 number of poles note Size of switch disconnector 2 mechanical service life (operating cycles) typical electrical endurance (operating cycles) • at AC-21 A at 690 V operating frequency maximum for the switch of the current at AC in hot operating for poles (W) protection class IP of the front Dissipation Main circuit operational current • at AC-21 A at 90 V rated value at AC-21 A at 400 V rated value 3 3 3 3 3 3 3 3 3 3 3 3 3 3 4 6 6 6 6	color of the actuating element	black
Section Comment Comm	design of handle	rotary operating mechanism, black
number of poles 3 number of poles note N + PE size of switch disconnector 2 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 degree of pollution 3 Voltage Violage 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 690 V • minimum 50 Hz • maximum 60 Hz Protection class IP protection class IP IP65 degree of protection NEMA rating 1, 4X, 12 protection class IP on the front IP65 Dissipation 1.8 W operating state per pole Main circuit operating state per pole 4 AC-21 A at 240 V rated value 32 A • at AC-21 A at 240 V rated value 32 A </td <td>type of the driving mechanism motor drive</td> <td>No</td>	type of the driving mechanism motor drive	No
N + PE	General technical data	
Size of switch disconnector 2	number of poles	3
mechanical service life (operating cycles) typical electrical endurance (operating cycles)	number of poles note	N + PE
electrical endurance (operating cycles) • at AC-23 A at 690 V 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 • maximum 60 Hz Protection class protection class IP degree of protection NEMA rating protection class IP of protection NEMA rating protection class IP of protection NEMA rating protection class IP of the front Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Main circuit operational current • at AC-21 at 690 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 400 V rated value • at AC-21 A at 400 V rated value • at AC-21 A at 400 V rated value • at AC-21 A at 400 V rated value 32 A • at AC-21 A at 400 V rated value 32 A	size of switch disconnector	2
at AC-23 A at 690 V 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 690 V operating frequency rated value 600 Hz Protection class protection class IP degree of protection NEMA rating 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 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 400 V rated value 32 A	mechanical service life (operating cycles) typical	100 000
operating frequency maximum 50 1/h degree of pollution 3 Voltage insulation voltage rated value 690 V surge voltage resistance rated value 690 V 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, 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 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 400 V rated value 32 A	electrical endurance (operating cycles)	
degree of pollution Voltage insulation voltage rated value surge voltage resistance rated value • at AC rated value • minimum • maximum • maximum 50 Hz Protection class IP degree of protection NEMA rating protection class IP on the front Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Main circuit • at AC-21 at 690 V rated value • at AC-21 A at 240 V rated value 32 A • at AC-21 A at 440 V rated value 32 A • at AC-21 A at 400 V rated value 33 A	• at AC-23 A at 690 V	6 000
insulation voltage rated value 690 V surge voltage resistance rated value 680 V operating voltage at AC rated value 690 V operating frequency rated value minimum 50 Hz maximum 50 Hz maximum 60 Hz Protection class protection class IP degree of protection NEMA rating 1, 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 Main circuit operational current at AC-21 at 690 V rated value 32 A at AC-21 At 240 V rated value 32 A at AC-21 At 240 V rated value 32 A at AC-21 At 240 V rated value 32 A at AC-21 At 240 V rated value 32 A at AC-21 At 240 V rated value 32 A	operating frequency maximum	50 1/h
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 80 Hz Protection class IP degree of protection NEMA rating 1, 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 Main circuit operational current • at AC-21 at 690 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 240 V rated value	degree of pollution	3
surge voltage resistance rated value operating voltage • at AC rated value operating frequency rated value • minimum • maximum foo Hz Protection class protection class IP degree of protection NEMA rating 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 Main circuit operational current • at AC-21 at 690 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 400 V rated value	Voltage	
operating voltage • at AC rated value operating frequency rated value • minimum • maximum foo Hz Protection class protection class IP degree of protection NEMA rating 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 Main circuit operational current • at AC-21 at 690 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 400 V rated value • at AC-21 A at 400 V rated value • at AC-21 A at 400 V rated value • at AC-21 A at 400 V rated value • at AC-21 A at 400 V rated value • at AC-21 A at 400 V rated value • at AC-21 A at 400 V rated value • at AC-21 A at 400 V rated value • at AC-21 A at 400 V rated value • at AC-21 A at 400 V rated value • at AC-21 A at 400 V rated value • at AC-21 A at 400 V rated value	insulation voltage rated value	690 V
at AC rated value operating frequency rated value minimum maximum for Hz Protection class protection class IP degree of protection NEMA rating protection class IP on the front Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Main circuit operational current at AC-21 at 690 V rated value at AC-21 A at 240 V rated value at AC-21 A at 400 V rated value	surge voltage resistance rated value	6 kV
operating frequency rated value • minimum • maximum 60 Hz Protection class protection class IP degree of protection NEMA rating 1, 4X, 12 protection class IP on the front Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Main circuit operational current • at AC-21 at 690 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 4400 V rated value • at AC-21 A at 4400 V rated value • at AC-21 A at 4400 V rated value • at AC-21 A at 4400 V rated value • at AC-21 A at 4400 V rated value • at AC-21 A at 4400 V rated value • at AC-21 A at 4400 V rated value • at AC-21 A at 4400 V rated value • at AC-21 A at 4400 V rated value • at AC-21 A at 4400 V rated value • at AC-21 A at 4400 V rated value • at AC-21 A at 4400 V rated value	operating voltage	
 minimum maximum 60 Hz Protection class protection class IP degree of protection NEMA rating 1, 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 Main circuit Operational current at AC-21 at 690 V rated value at AC-21 A at 240 V rated value at AC-21 A at 400 V rated value 	at AC rated value	690 V
 maximum 60 Hz Protection class protection class IP degree of protection NEMA rating 1, 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 Main circuit operational current at AC-21 at 690 V rated value at AC-21 A at 240 V rated value at AC-21 A at 400 V rated value at AC-21 A at 400 V rated value at AC-21 A at 400 V rated value at AC-21 A at 400 V rated value 	operating frequency rated value	
Protection class IP degree of protection NEMA rating 1, 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 Main circuit operational current • at AC-21 at 690 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 400 V rated value 32 A • at AC-21 A at 400 V rated value 32 A	• minimum	50 Hz
protection class IP degree of protection NEMA rating 1, 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 Main circuit operational current • at AC-21 at 690 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 400 V rated value 32 A • at AC-21 A at 400 V rated value 32 A	• maximum	60 Hz
degree of protection NEMA rating 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 Main circuit operational current • at AC-21 at 690 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 400 V rated value 32 A • at AC-21 A at 400 V rated value 32 A	Protection class	
protection class IP on the front Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Main circuit operational current • at AC-21 at 690 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 400 V rated value 32 A • at AC-21 A at 400 V rated value 32 A	protection class IP	IP65
power loss [W] for rated value of the current at AC in hot operating state per pole Main circuit operational current • at AC-21 at 690 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 400 V rated value 32 A • at AC-21 A at 400 V rated value 32 A	degree of protection NEMA rating	1, 4X, 12
power loss [W] for rated value of the current at AC in hot operating state per pole Main circuit operational current • at AC-21 at 690 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 400 V rated value 32 A • at AC-21 A at 400 V rated value 32 A	protection class IP on the front	IP65
operating state per pole Main circuit operational current • at AC-21 at 690 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 400 V rated value 32 A • at AC-21 A at 400 V rated value 32 A	Dissipation	
operational current • at AC-21 at 690 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 400 V rated value 32 A • at AC-21 A at 400 V rated value 32 A		1.8 W
 at AC-21 at 690 V rated value at AC-21 A at 240 V rated value at AC-21 A at 400 V rated value 32 A 32 A 32 A 	Main circuit	
 at AC-21 A at 240 V rated value at AC-21 A at 400 V rated value 32 A 32 A 	operational current	
• at AC-21 A at 400 V rated value 32 A	• 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 440 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	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
Suitability	
suitability for use	
main switch	Yes
 switch disconnector 	Yes
EMERGENCY OFF switch	No
safety switch	Yes
maintenance/repair switch	Yes
Product details	
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	3
number of connectable NO contacts for auxiliary contacts attachable maximum	5
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 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	00.4
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	80 A
type of fuse according to UL	RK5
Connections	
AWG number as coded connectable conductor cross section solid maximum	
•	8
•	14
type of connectable conductor cross-sections for copper conductor	
• solid	1x (1,516mm²)
 finely stranded with core end processing 	1x (1,510mm²)
• stranded	1x (1,516mm²)
type of connectable conductor cross-sections for auxiliary contacts	
• solid	lateral auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)
• finely stranded with core end processing	lateral auxiliary switch 2x (0,75 1,5mm²), 1x 2,5mm²; front auxiliary switch 1x 2,5mm²
• stranded	lateral auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)
type of electrical connection	
• for main current circuit	box terminal
 for auxiliary contacts 	connection terminals
Mechanical Design	
height	152 mm
width	100 mm
depth	117 mm
type of device	fixed mounting
fastening method	Complete unit in enclosure
fastening method	
• 4-hole front mounting	No
 front mounting with central attachment 	Yes
• rail mounting	No
net weight	456 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



General Product Approval

Test Certificates

Marine / Shipping

other

Miscellaneous



Miscellaneous



Miscellaneous

other Environment

<u>Confirmation</u> <u>Environmental Confirmations</u>

Environmental Confirmations

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=3LD2264-0TB51

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3LD2264-0TB51

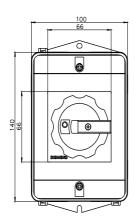
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2264-0TB51

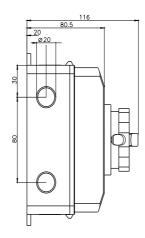
CAx-Online-Generator

http://www.siemens.com/cax

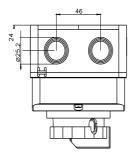
Tender specifications

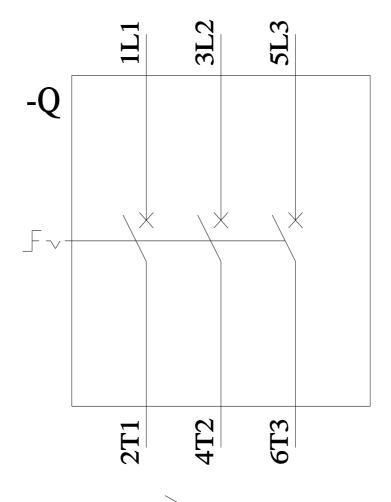
http://www.siemens.com/specifications

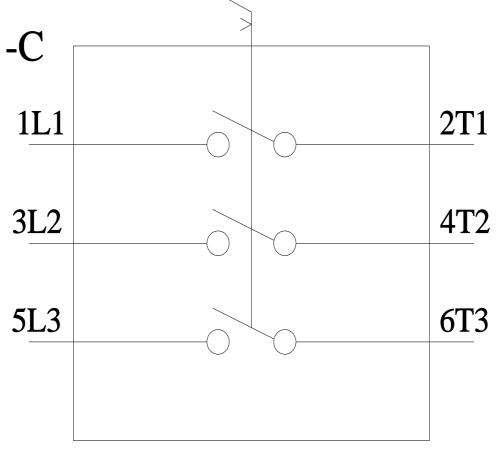












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