SIEMENS

Data sheet

3LD2264-0TB51-0US2



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 inch cable gland, rotary operating mechanism, black

product brand name product designation design of the product designation design of the product display version for switch position indicator manual operation type of switch design of the actuating element color of the actuating element design of the actuating element color of the actuating element design of handle type of the driving mechanism motor drive No	Model	
design of the product display version for switch position indicator manual operation type of switch design of the actuating element color of the actuating element design of handle type of the driving mechanism motor drive Ceneral technical data number of poles number of poles note size of switch disconnector deletical endurance (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 frequency rated value • minimum • maximum Protection class IP degree of protection NEMA rating protection class IP degree of protection NEMA rating prover loss [W] for rated value operating state per pole Current • at 40 °C rated value	product brand name	SENTRON
display version for switch position indicator manual operation type of switch design of the actuating element Short rotary knob black color of the actuating element black rotary operating mechanism, black black rotary operating mechanism, black lype of the driving mechanism motor drive No Ceneral technical data	product designation	3LD Switch disconnector
operation 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 mechanical 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 rasted value operating retuency rated value • minimum • maximum Frotection class IP order to AC and to AC in hot operating state prole Current • at 40 °C rated value • at 45 °C rated value	design of the product	Main switch
type of switch design of the actuating element color of the actuating element design of handle type of the driving mechanism motor drive type of the driving mechanism motor drive type of the driving mechanism motor drive No Ceneral technical data	. ,	1 ON - 0 OFF
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 note N + PE size of switch disconnector 2 mechanical service life (operating cycles) typical electrical endurance (operating cycles) typical electrical endurance (operating cycles) to 4 AC-23 A at 690 V operating frequency maximum 650 1/h degree of pollution 3 3 Voltage insulation voltage rated value 690 V surge voltage resistance rated value 690 V operating frequency rated value 690 V operating frequency rated value 60 Hz • at AC rated value 60 Hz • maximum 50 Hz • maximum 60 Hz Protection class IP degree of protection NEMA rating 1, 4X, 12 protection class IP degree of protection NEMA rating 1, 4X, 12 protection class IP of the front IP65 Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Current Operational current rated value 32 A operational current at 4° Cr rated value 32 A • at 45° Cr rated value 32 A	•	
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at AC rated value operating frequency rated value minimum min	surge voltage resistance rated value	6 kV
operating frequency rated value	operating voltage	
 minimum maximum 60 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 Current operational current rated value at 40 °C rated value at 40 °C rated value at 45 °C rated value 32 A at 45 °C rated value 32 A 		690 V
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operating state per pole Current operational current rated value 32 A operational current • at 40 °C rated value 32 A • at 45 °C rated value 32 A	Dissipation	
Current operational current rated value operational current • at 40 °C rated value • at 45 °C rated value 32 A • at 45 °C rated value 32 A		1.8 W
operational current • at 40 °C rated value • at 45 °C rated value 32 A 32 A		
operational current • at 40 °C rated value • at 45 °C rated value 32 A 32 A	operational current rated value	32 A
 at 40 °C rated value at 45 °C rated value 32 A 32 A 	•	
	•	32 A
• at 50 °C rated value 32 A	● at 45 °C rated value	32 A
	 at 50 °C rated value 	32 A

a at EE °C rated value	22 A
 at 55 °C rated value at AC rated value 	32 A 32 A
at AC rated value Main circuit	V2 /\
operational current ● at AC-21 at 690 V rated value	32 A
at AC-21 At 030 V rated value 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 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 operating voltage of auxiliary contacts at AC maximum	0 500 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	
product details product feature can be locked into OFF position	Yes
	Yes
product feature can be locked into OFF position accessories product extension optional	
product feature can be locked into OFF position accessories product extension optional • motor drive	No
product feature can be locked into OFF position accessories product extension optional • motor drive • voltage trigger	No No
product feature can be locked into OFF position accessories product extension optional • motor drive • voltage trigger number of connectable NC contacts for auxiliary contacts	No
product feature can be locked into OFF position accessories product extension optional • motor drive • voltage trigger number of connectable NC contacts for auxiliary contacts attachable maximum	No No
product feature can be locked into OFF position accessories product extension optional • motor drive • voltage trigger number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable NO contacts for auxiliary contacts attachable maximum	No No 3
product feature can be locked into OFF position accessories product extension optional • motor drive • voltage trigger number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable NO contacts for auxiliary contacts attachable maximum number of connectable CO contacts for auxiliary contacts	No No 3
product feature can be locked into OFF position accessories product extension optional	No No 3 5
product feature can be locked into OFF position accessories product extension optional	No No 3 5 0
product feature can be locked into OFF position accessories product extension optional	No No 3 5
product feature can be locked into OFF position accessories product extension optional • motor drive • voltage trigger number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable NO contacts for auxiliary contacts attachable maximum number of connectable CO contacts for auxiliary contacts attachable maximum number of bracket locks maximum hasp thickness of the bracket locks Short circuit	No No 3 5 0
product feature can be locked into OFF position accessories product extension optional	No No 3 5 0
product feature can be locked into OFF position accessories product extension optional • motor drive • voltage trigger number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable NO contacts for auxiliary contacts attachable maximum number of connectable CO contacts for auxiliary contacts attachable maximum number of bracket locks maximum hasp thickness of the bracket locks Short circuit conditional short-circuit current with line-side fuse	No No 3 5 0
product feature can be locked into OFF position accessories product extension optional	No No 3 5 0 3 4 8 mm
product feature can be locked into OFF position accessories product extension optional	No No 3 5 0 3 4 8 mm
product feature can be locked into OFF position accessories product extension optional • motor drive • voltage trigger number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable NO contacts for auxiliary contacts attachable maximum number of connectable CO contacts for auxiliary contacts attachable maximum number of connectable CO contacts for auxiliary contacts attachable maximum number of bracket locks maximum hasp thickness of the bracket locks Short circuit conditional short-circuit current with line-side fuse protection • 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	No No 3 5 0 3 4 8 mm 50 kA 4.5 kA 4.5 kA
product feature can be locked into OFF position accessories product extension optional • motor drive • voltage trigger number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable NO contacts for auxiliary contacts attachable maximum number of connectable CO contacts for auxiliary contacts attachable maximum number of connectable CO contacts for auxiliary contacts attachable maximum number of bracket locks maximum hasp thickness of the bracket locks Short circuit conditional short-circuit current with line-side fuse protection • 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	No No 3 5 0 3 4 8 mm
product feature can be locked into OFF position accessories product extension optional • motor drive • voltage trigger number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable NO contacts for auxiliary contacts attachable maximum number of connectable CO contacts for auxiliary contacts attachable maximum number of bracket locks maximum number of bracket locks maximum hasp thickness of the bracket locks Short circuit conditional short-circuit current with line-side fuse protection • 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 • at 690 V for combination switch + gG fuse maximum	No No 3 5 0 3 4 8 mm 50 kA 4.5 kA 4.5 kA
product feature can be locked into OFF position accessories product extension optional	No No 3 5 0 3 4 8 mm 50 kA 4.5 kA 4.5 kA 5 kA
product feature can be locked into OFF position accessories product extension optional • motor drive • voltage trigger number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable NO contacts for auxiliary contacts attachable maximum number of connectable CO contacts for auxiliary contacts attachable maximum number of bracket locks maximum number of bracket locks maximum hasp thickness of the bracket locks Short circuit conditional short-circuit current with line-side fuse protection • at 690 V by gG fuse rated value let-through current with closed switch • at 240 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum permissible 12t value with closed switch • at 240 V for combination switch + gG fuse maximum	No No 3 5 0 3 4 8 mm 50 kA 4.5 kA 4.5 kA 5 kA
product feature can be locked into OFF position accessories product extension optional	No No 3 5 0 3 4 8 mm 50 kA 4.5 kA 4.5 kA 5 kA 9 kA2.s 9 kA2.s
product feature can be locked into OFF position accessories product extension optional • motor drive • voltage trigger number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable NO contacts for auxiliary contacts attachable maximum number of connectable CO contacts for auxiliary contacts attachable maximum number of bracket locks maximum number of bracket locks maximum hasp thickness of the bracket locks Short circuit conditional short-circuit current with line-side fuse protection • at 690 V by gG fuse rated value let-through current with closed switch • at 240 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum permissible 12t value with closed switch • at 240 V for combination switch + gG fuse maximum	No No 3 5 0 3 4 8 mm 50 kA 4.5 kA 4.5 kA 5 kA
product feature can be locked into OFF position accessories product extension optional	No No 3 5 0 3 4 8 mm 50 kA 4.5 kA 4.5 kA 5 kA 9 kA2.s 9 kA2.s
product feature can be locked into OFF position accessories product extension optional	No No 3 5 0 3 4 8 mm 50 kA 4.5 kA 4.5 kA 5 kA
product feature can be locked into OFF position accessories product extension optional	No No 3 5 0 3 4 8 mm 50 kA 4.5 kA 4.5 kA 5 kA 9 kA2.s 9 kA2.s 9 kA2.s
product feature can be locked into OFF position accessories product extension optional	No No 3 5 0 3 4 8 mm 50 kA 4.5 kA 4.5 kA 5 kA

according UL	
operational current at AC according to UL 508/UL 60947-	32 A
4-1 rated value	3
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
• minimum	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	164 mm
width	100 mm
depth	118 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	481 g
Environmental conditions	
ambient temperature during operation	05.00
• minimum ·	-25 °C
• maximum	55 °C
ambient temperature during storage	25 °C
• minimum	-25 °C 55 °C
• maximum	00 C
General Product Approval	



Confirmation







Miscellaneous

General Product Approval	Declaration of Conformity	Test Certificates







Special Test Certificate

Miscellaneous

Miscellaneous

Marine / Shipping

other



Environmental Confirmations **Miscellaneous**

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)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3LD2264-0TB51-0US2

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

https://support.industry.siemens.com/cs/ww/en/ps/3LD2264-0TB51-0US2

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

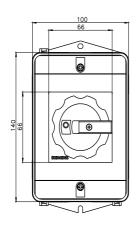
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2264-0TB51-0US2

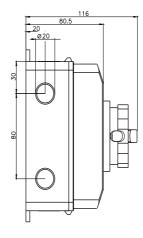
CAx-Online-Generator

http://www.siemens.com/cax

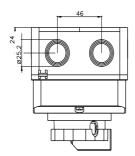
Tender specifications

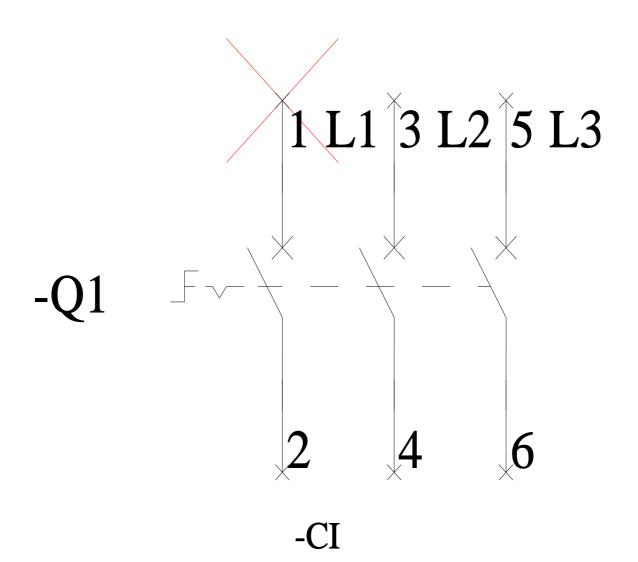
http://www.siemens.com/specifications

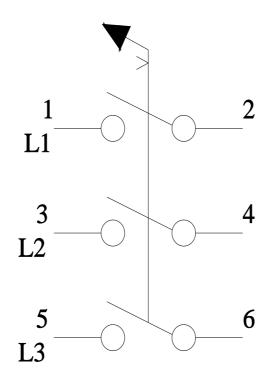












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