SIEMENS

Data sheet

3LD2766-7UB01



SENTRON, Switch disconnector 3LD, change-over switch, 3-pole, lu: 100 A, Operating power / at AC-23 A at 400 V: 37 kW, molded-plastic encapsulation for metric cable screw connection, knob-operated mechanism, black

Model		
product brand name	SENTRON	
product designation	Switch disconnector	
design of the product	Selector switch	
display version for switch position indicator manual operation	1 ON - 0 OFF - 2 ON	
type of switch	Molded-plastic enclosure for metric threaded joint	
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	3	
number of poles note	N + PE	
size of switch disconnector	4	
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, 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	7.5 W	
Main circuit		
operational current		
• at AC-21 at 690 V rated value	100 A	
• at AC-21 A at 240 V rated value	100 A	
• at AC-21 A at 400 V rated value	100 A	
• at AC-21 A at 440 V rated value	100 A	

 at AC-23 A at 400 V rated value 	70 A
operating power	
at AC-23 A at 240 V rated value	18.5 kW
• at AC-23 A at 400 V rated value	37 kW
at AC-23 A at 440 V rated value	37 kW
at AC-23 A at 690 V rated value	30 kW
• at AC-3 at 240 V rated value	18.5 kW
• at AC-3 at 400 V rated value	30 kW
at AC-3 at 690 V rated value	22 kW
Auxiliary circuit	
	0
number of CO contacts for auxiliary contacts number of NC contacts for auxiliary contacts	0
·	0
number of NO contacts for auxiliary contacts	
operating voltage of auxiliary contacts at AC maximum	500 V 10 A
continuous current of the auxiliary contact rated value	10 A
Suitability	
suitability for use	Vee
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	No
accessories	
product extension optional	
motor drive	No
voltage trigger	No
number of connectable NC contacts for auxiliary contacts attachable maximum	2
number of connectable NO contacts for auxiliary contacts attachable maximum	4
number of connectable CO contacts for auxiliary contacts	0
attachable maximum	°
attachable maximum	
attachable maximum Short circuit	50 kA
attachable maximum Short circuit conditional short-circuit current with line-side fuse protection	
attachable maximum Short circuit conditional short-circuit current with line-side fuse protection • at 690 V by gG fuse rated value	
attachable maximum 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	50 kA
attachable maximum 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	50 kA 10 kA
attachable maximum 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 permissible	50 kA 10 kA 10 kA
attachable maximum 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 permissible l2t value with closed switch	50 kA 10 kA 10 kA 10 kA
attachable maximum 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 at 690 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum 	50 kA 10 kA 10 kA 10 kA 64 kA2.s
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attachable maximum 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 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 690 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum 	50 kA 10 kA 10 kA 10 kA 64 kA2.s 64 kA2.s 64 kA2.s
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attachable maximum 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 at 690 V for combination switch + gG fuse maximum 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 690 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 at 690 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 at 690 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 at 690 V for combination switch + gG fuse maximum 	50 kA 10 kA 10 kA 10 kA 10 kA 64 kA2.s 64 kA2.s 64 kA2.s 64 kA2.s 64 kA2.s
attachable maximum 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 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 240 V for combination switch + gG fuse maximum 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 690 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 at 690 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 	50 kA 10 kA 10 kA 10 kA 10 kA 64 kA2.s 64 kA2.s 64 kA2.s fuse gL/gG: 100 A fuse gL/gG: 10 A 100 A
attachable maximum 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 at 690 V for combination switch + gG fuse maximum 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 690 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 at 690 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 at 690 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 at 690 V for combination switch + gG fuse maximum 	50 kA 10 kA 10 kA 10 kA 10 kA 64 kA2.s 64 kA2.s 64 kA2.s 64 kA2.s 64 kA2.s 64 kA2.s
attachable maximum 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 at 240 V for combination switch + gG fuse maximum 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 690 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 at 690 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 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 operational current at AC according to UL 508/UL 60947-4-1	50 kA 10 kA 10 kA 10 kA 10 kA 64 kA2.s 64 kA2.s 64 kA2.s fuse gL/gG: 100 A fuse gL/gG: 10 A 100 A
attachable maximum 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 at 240 V for combination switch + gG fuse maximum 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 690 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 at 690 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 at 690 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 at 690 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 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 at AC according to UL 508/UL 60947-4-1 	50 kA 10 kA 10 kA 10 kA 10 kA 64 kA2.s 64 kA2.s 64 kA2.s fuse gL/gG: 100 A fuse gL/gG: 10 A 100 A 100 A
attachable maximum 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 at 240 V for combination switch + gG fuse maximum at 240 V for combination switch + gG fuse maximum at 240 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 at 690 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 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 operational current at AC according to UL 508/UL 60947-4-1 rated value operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 <ld>60947-4-1 rated value active power [hp] at AC at 480 V according to UL 508/UL 60947- </ld>	50 kA 10 kA 10 kA 10 kA 10 kA 64 kA2.s 64 kA2.s 64 kA2.s fuse gL/gG: 100 A fuse gL/gG: 10 A 100 A 100 A 600 V
attachable maximum 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 at 240 V for combination switch + gG fuse maximum at 240 V for combination switch + gG fuse maximum at 240 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 at 690 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 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 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 60947-4-1 4-1 rated value active power [hp] at AC at 600 V according to UL 508/UL 60947-	50 kA 10 kA 10 kA 10 kA 10 kA 64 kA2.s 64 kA2.s 64 kA2.s 64 kA2.s 100 A 100 A 100 A 100 A 600 V 60
attachable maximum 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 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 690 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 at 690 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 at 690 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 operational current of upstream fuse rated value operational current at AC according to UL 508/UL 60947-4-1 rated value 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 60947-4-1 rated value active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value short-time	50 kA 10 kA 10 kA 10 kA 10 kA 10 kA 64 kA2.s 64 kA2.s 64 kA2.s 64 kA2.s 100 A fuse gL/gG: 100 A fuse gL/gG: 10 A 100 A 100 A 600 V 60 75
attachable maximum 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 440 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 at 690 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 at 690 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 at 690 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 at AC according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value short-time withstand current (SCCR) at 6	50 kA 10 kA 10 kA 10 kA 10 kA 64 kA2.s 64 kA2.s 64 kA2.s fuse gL/gG: 100 A fuse gL/gG: 100 A fuse gL/gG: 10 A 100 A 100 A 600 V 60 75 10 kA

Connections	
AWG number as coded connectable conductor cross section	
solid maximum	
•	1
•	12
type of connectable conductor cross-sections for copper conductor	
• solid	1x (450mm²)
 finely stranded with core end processing 	1x (435mm ²)
stranded stranded	1x (450mm ²)
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	302 mm
width	212 mm
depth	181 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	2 309 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	
General Product Approval	Test Certificates Marine / Shipping other
Miscellaneous FI	Miscellaneous Miscellaneous Miscellaneous
YME .	LN3
other Environment	
Confirmation Environmental Con	nontel Con
	nental Con- lations

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=3LD2766-7UB01

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3LD2766-7UB01

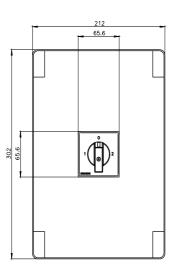
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

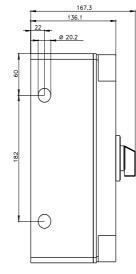
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2766-7UB01

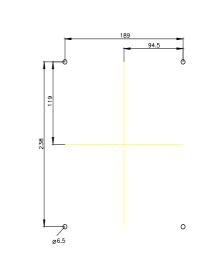
CAx-Online-Generator http://www.siemens.com/cax

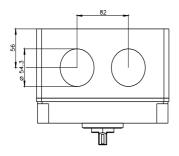
Tender specifications

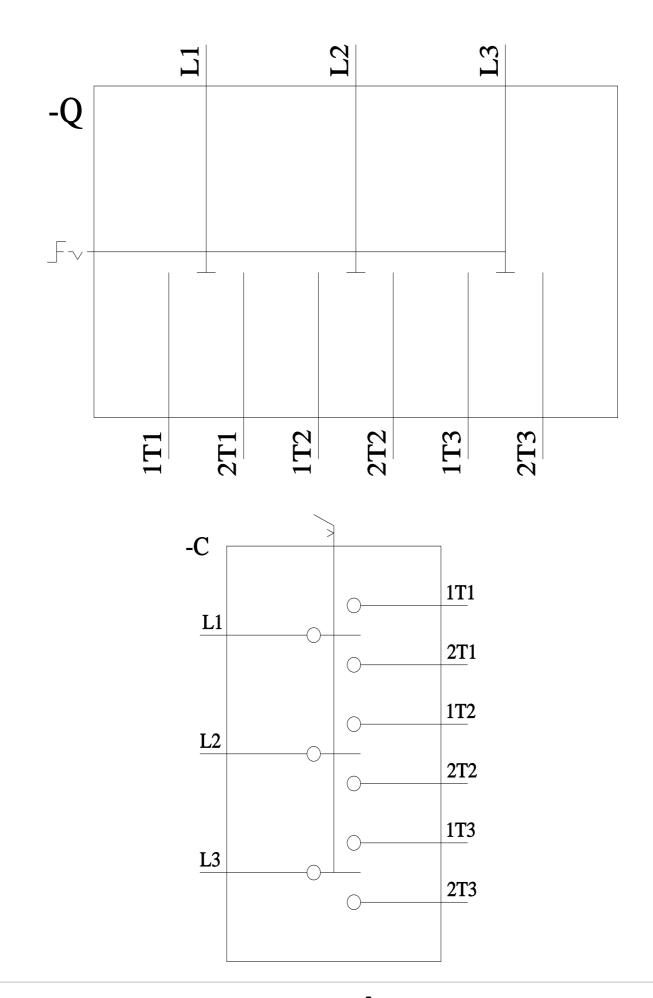
http://www.siemens.com/specifications











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