## **SIEMENS**

Data sheet 3LD2418-0TK11



SENTRON, Switch disconnector 3LD, main switch, 3-pole, lu=250 A, Operating power / at AC-23 A at 400 V: 132 kW, floor mounting with door coupling, knob-operated mechanism, black, 4-hole mounting of the handle

SENTRON				
3LD Switch disconnector				
Main switch				
1 ON - 0 OFF				
selector switch				
knob-operated mechanism, black				
No				
General technical data				
3				
fixed mounting				
Floor mounting with door coupling				
5				
100 000				
6 000				
557 kA2.s				
557 kA2.s				
50 1/h				
690 V				
8 kV				
IP65				
1, 3R, 4X, 12				
IP65				
36 W				
36 W				
250 A				

<ul> <li>at 50 °C / rated value</li> </ul>	250 A
<ul> <li>at 55 °C / rated value</li> </ul>	250 A
<ul><li>at AC / rated value</li></ul>	250 A
<ul><li>at AC-23 A / at 400 V / rated value</li></ul>	224 A
<ul><li>at AC-21 / at 690 V / rated value</li></ul>	250 A
<ul><li>at AC-21 A / at 240 V / rated value</li></ul>	250 A
<ul><li>at AC-21 A / at 440 V / rated value</li></ul>	250 A
operational current / of upstream fuse / rated value	250 A
let-through current / with closed switch	
<ul> <li>at 440 V / for combination switch + gG fuse / maximum</li> </ul>	15 kA
<ul> <li>at 690 V / for combination switch + gG fuse / maximum permissible</li> </ul>	15 kA
Main circuit	
operating power	
<ul><li>at AC-23 A / at 240 V / rated value</li></ul>	75 kW
<ul><li>at AC-23 A / at 400 V / rated value</li></ul>	132 kW
<ul><li>at AC-23 A / at 440 V / rated value</li></ul>	132 kW
<ul><li>at AC-23 A / at 690 V / rated value</li></ul>	55 kW
<ul><li>at AC-3 / at 240 V / rated value</li></ul>	55 kW
<ul><li>at AC-3 / at 400 V / rated value</li></ul>	110 kW
<ul><li>at AC-3 / at 690 V / rated value</li></ul>	45 kW
operational current / rated value	250 A
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
indulation voltage / or the duxiliary ownton / rated value	000 1
Suitability	
Suitability	Yes
Suitability suitability for use	
Suitability suitability for use • main switch	Yes
Suitability suitability for use • main switch • switch disconnector	Yes Yes
Suitability suitability for use  • main switch • switch disconnector • EMERGENCY OFF switch	Yes Yes No
Suitability suitability for use  • main switch • switch disconnector • EMERGENCY OFF switch • safety switch	Yes Yes No Yes
Suitability suitability for use  • main switch • switch disconnector • EMERGENCY OFF switch • safety switch • maintenance/repair switch  Appearance	Yes Yes No Yes
Suitability suitability for use	Yes Yes No Yes Yes
suitability suitability for use  main switch switch disconnector EMERGENCY OFF switch safety switch maintenance/repair switch  Appearance color / of the actuating element	Yes Yes No Yes Yes
Suitability suitability for use  • main switch • switch disconnector • EMERGENCY OFF switch • safety switch • maintenance/repair switch  Appearance color / of the actuating element  Product details product feature	Yes Yes No Yes Yes
suitability suitability for use  main switch switch disconnector EMERGENCY OFF switch safety switch maintenance/repair switch  Appearance color / of the actuating element  Product details product feature can be locked into OFF position	Yes Yes No Yes Yes Yes Yes
Suitability suitability for use  • main switch • switch disconnector • EMERGENCY OFF switch • safety switch • maintenance/repair switch  Appearance color / of the actuating element  Product details product feature	Yes Yes No Yes Yes black Yes
suitability suitability for use  • main switch • switch disconnector • EMERGENCY OFF switch • safety switch • maintenance/repair switch  Appearance color / of the actuating element  Product details  product feature • can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum	Yes Yes No Yes Yes Yes 3
suitability suitability for use	Yes Yes No Yes Yes Yes  black  Yes 3 4 mm
suitability suitability for use  • main switch • switch disconnector • EMERGENCY OFF switch • safety switch • maintenance/repair switch  Appearance color / of the actuating element  Product details  product feature • can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum	Yes Yes No Yes Yes Yes  black  Yes 3 4 mm
suitability suitability for use	Yes Yes No Yes Yes Yes  black  Yes 3 4 mm 6 mm
suitability suitability for use  • main switch • switch disconnector • EMERGENCY OFF switch • safety switch • maintenance/repair switch  Appearance color / of the actuating element  Product details  product feature • can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / maximum hasp thickness / of the bracket locks / maximum product extension / optional • motor drive • voltage trigger	Yes Yes No Yes Yes Yes  black  Yes 3 4 mm 6 mm
Suitability suitability for use	Yes Yes No Yes Yes Yes  black  Yes 3 4 mm 6 mm
suitability suitability for use	Yes Yes No Yes Yes Yes  black  Yes 3 4 mm 6 mm  No No
Suitability suitability for use  • main switch • switch disconnector • EMERGENCY OFF switch • safety switch • maintenance/repair switch  Appearance color / of the actuating element  Product details  product feature • can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum product extension / optional • motor drive • voltage trigger  Short circuit  conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value	Yes Yes No Yes Yes Yes  black  Yes 3 4 mm 6 mm
Suitability suitability for use	Yes Yes No Yes Yes  black  Yes 3 4 mm 6 mm  No No
Suitability suitability for use	Yes Yes No Yes Yes Yes  black  Yes 3 4 mm 6 mm  No No No
Suitability suitability for use  • main switch • switch disconnector • EMERGENCY OFF switch • safety switch • maintenance/repair switch  Appearance color / of the actuating element  Product details  product feature • can be locked into OFF position number of bracket locks / maximum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum product extension / optional • motor drive • voltage trigger  Short circuit conditional short-circuit current / with line-side fuse protection • at 690 V / by gG fuse / rated value  according UL operational current / at AC / according to UL 508/UL	Yes Yes No Yes Yes  black  Yes 3 4 mm 6 mm  No No

active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value	75			
short-time withstand current (SCCR) / at 600 V / according to UL 508/UL 60947-4-1	10 kA			
continuous current / of upstream fuse / according to UL / rated value	200 A			
type of fuse / according to UL	RK5			
Number				
number of connectable NC contacts / for auxiliary contacts	3			
/ attachable / maximum				
number of connectable NO contacts / for auxiliary contacts / attachable / maximum	5			
number of connectable CO contacts / for auxiliary contacts / attachable / maximum	0			
Connections				
AWG number / as coded connectable conductor cross section / solid				
• minimum	1			
• maximum	4/0			
type of connectable conductor cross-sections / for copper conductor				
• solid	1x (16185mm²)			
<ul> <li>finely stranded / with core end processing</li> </ul>	1x (16150mm²)			
• stranded	1x (16185mm²)			
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			
<ul> <li>for auxiliary contacts</li> </ul>	connection terminals			
Requirements				
design of the fuse link				
<ul> <li>for short-circuit protection of the main circuit / required</li> </ul>	fuse gL/gG: 250 A			
<ul> <li>for short-circuit protection of the auxiliary switch / required</li> </ul>	fuse gL/gG: 10 A			
Mechanical Design				
height	169 mm			
width	112 mm			
depth	94 mm			
fastening method	Built-in unit fixed-mounted version			
fastening method				
4-hole front mounting	Yes			
<ul> <li>front mounting with central attachment</li> </ul>	No			
• rail mounting	No			
net weight	2 761 g			
Environmental conditions				
ambient temperature / during operation				
• minimum	-25 °C			
• maximum	55 °C			
ambient temperature / during storage / minimum	-25 °C			
General Product Approval		Declaration of Conformity	Test Certificates	











Special Test Certificate

**Test Certificates** 

other

Type Test Certificates/Test Report

Environmental Confirmations **Miscellaneous** 

## **Further information**

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=3LD2418-0TK11

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

https://support.industry.siemens.com/cs/ww/en/ps/3LD2418-0TK11

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

http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3LD2418-0TK11

**CAx-Online-Generator** 

http://www.siemens.com/cax

**Tender specifications** 

http://www.siemens.com/specifications











