# **SIEMENS**

Data sheet 3LD2318-3VK11



SENTRON, Switch disconnector 3LD, main switch, 6-pole, lu: 160 A, Operating power / at AC-23 A at 400 V: 75 kW, floor mounting with door coupling, knob-operated 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	1 ON - 0 OFF					
operation						
type of switch	Floor mounting with door coupling					
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	6					
size of switch disconnector	5					
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	8 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	36 W					
Main circuit						
operational current						
<ul><li>at AC-21 at 690 V rated value</li></ul>	160 A					
<ul><li>at AC-21 A at 240 V rated value</li></ul>	160 A					
<ul> <li>at AC-21 A at 400 V rated value</li> </ul>	160 A					
<ul> <li>at AC-21 A at 440 V rated value</li> </ul>	160 A					
<ul> <li>at AC-23 A at 400 V rated value</li> </ul>	132 A					

operating power  • at AC-23 A at 240 V rated value  • at AC-23 A at 400 V rated value  • at AC-23 A at 440 V rated value  • at AC-23 A at 690 V rated value  • at AC-3 at 240 V rated value  • at AC-3 at 240 V rated value  • at AC-3 at 400 V rated value	
<ul> <li>at AC-23 A at 400 V rated value</li> <li>at AC-23 A at 440 V rated value</li> <li>at AC-23 A at 690 V rated value</li> <li>at AC-3 at 240 V rated value</li> <li>35 kW</li> </ul>	
<ul> <li>at AC-23 A at 440 V rated value</li> <li>at AC-23 A at 690 V rated value</li> <li>at AC-3 at 240 V rated value</li> <li>35 kW</li> </ul>	
<ul> <li>at AC-23 A at 690 V rated value</li> <li>at AC-3 at 240 V rated value</li> <li>35 kW</li> </ul>	
• at AC-3 at 240 V rated value 35 kW	
• at AC-3 at 690 V rated value 37 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	
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 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 0 attachable maximum	
number of bracket locks maximum 3	
hasp thickness of the bracket locks 4 6 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 15 kA	
• at 440 V for combination switch + gG fuse maximum  15 kA	
<ul> <li>at 690 V for combination switch + gG fuse maximum permissible</li> </ul>	
I2t value with closed switch	
• at 240 V for combination switch + gG fuse maximum 185 kA2.s	
• at 440 V for combination switch + gG fuse maximum 185 kA2.s	
at 690 V for combination switch + gG fuse maximum  185 kA2.s	
design of the fuse link	
• for short-circuit protection of the main circuit fuse gL/gG: 160 A required	
<ul> <li>for short-circuit protection of the auxiliary switch required</li> <li>fuse gL/gG: 10 A</li> </ul>	
operational current of upstream fuse rated value 160 A	
according UL	
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 60947-4-1 rated value 600 V	
active power [hp] at AC at 480 V according to UL 508/UL 75 60947-4-1 rated value	
active power [hp] at AC at 600 V according to UL 508/UL 50 60947-4-1 rated value	

short-time withstand current (SCCR) at 600 V according to 10 kA UL 508/UL 60947-4-1 continuous current of upstream fuse according to UL rated 200 A type of fuse according to UL RK5 AWG number as coded connectable conductor cross section solid • minimum maximum 4/0 type of connectable conductor cross-sections for copper conductor 1x (16 ...185mm²) solid • finely stranded with core end processing 1x (16...150mm²) 1x (16...185mm²) type of connectable conductor cross-sections for auxiliary contacts lateral auxiliary switch 2x (0,75 ... 2,5mm²), 1x 4mm²; front auxiliary solid 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 2,5mm<sup>2</sup> stranded lateral auxiliary switch 2x (0,75 ... 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 ... 2,5mm<sup>2</sup>) type of electrical connection • for main current circuit box terminal · for auxiliary contacts connection terminals Mechanical Design height 168 mm width 224 mm depth 106 mm type of device fixed mounting fastening method Built-in unit fixed-mounted version fastening method Yes • 4-hole front mounting • front mounting with central attachment No • rail mounting No net weight 4 568 g **Environmental conditions** ambient temperature during operation -25 °C • minimum maximum 55 °C ambient temperature during storage -25 °C minimum maximum 55 °C **Declaration of General Product Approval** Conformity





Confirmation







Declaration of Conformity	Test Certificates		other		Environment
CE	Type Test Certificates/Test Report	Special Test Certificate	Confirmation	Miscellaneous	Environmental Confirmations

## **Further information**

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=3LD2318-3VK11

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

https://support.industry.siemens.com/cs/ww/en/ps/3LD2318-3VK11

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

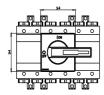
http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3LD2318-3VK11

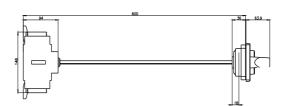
**CAx-Online-Generator** 

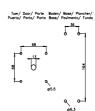
http://www.siemens.com/cax

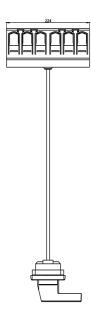
**Tender specifications** 

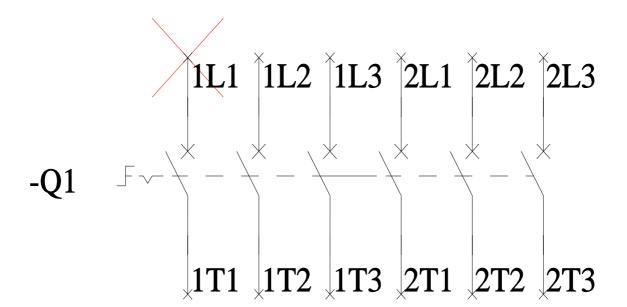
http://www.siemens.com/specifications











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