# **SIEMENS**

### Data sheet

## 3LD3450-0TK11

Switch disconnector 3LD3, main switch 3-polig, lu 63A operational switch at AC-23 A at 400 V 22,0 kW front mounted Base mounting with center-hole 22,5 mm knob-operated mechanism black 48 x 48 mm



Model	
Product brand name	SENTRON
Product designation	3LD Switch disconnector
Design of the product	Main switch
Display version / for switch position indicator manual operation	1 ON - 0 OFF
Design of the operating mechanism	selector switch
Design of handle	knob-operated mechanism, black
Type of the driving mechanism / motor drive	No
General technical data	
Number of poles	3
Type of device	fixed mounting
Type of switch	front mounted
Operating frequency / maximum	50 1/h
Voltage	
Insulation voltage / rated value	690 V
Surge voltage resistance / rated value	6 kV
Protection class	

Protection class IP	IP65
Protection class IP / on the front	IP65
Distinction	
Dissipation Power loss [W]	
<ul> <li>for rated value of the current / at AC / in hot</li> </ul>	4.5 W
operating state / per pole	7.5 W
Electricity	
Current / at AC / rated value	63 A
Continuous current / rated value	63 A
Short-time current resistance (Icw) / at 690 V / limited	1 000 A
to 1 s / rated value	
Main circuit	
Operating frequency	
● initial value	50 Hz
• Full-scale value	60 Hz
Operating power	
• at AC-23 A / at 400 V / rated value	22 kW
• at AC-23 A / at 690 V / rated value	18.5 kW
• at AC-3 / at 400 V / rated value	18.5 kW
• at AC-3 / at 690 V / rated value	15 kW
Operating voltage	
• at AC / at 50/60 Hz / rated value	690 V
Auxiliary circuit	
Operating voltage / of auxiliary contacts / at AC /	500 V
maximum	
Continuous current / of the auxiliary contact / rated	10 A
value	
Insulation voltage / of the auxiliary switch / rated	500 V
value	
Suitability	
Suitability for use	
Main switch	Yes
<ul> <li>switch disconnector</li> </ul>	Yes
<ul> <li>EMERGENCY OFF switch</li> </ul>	Yes
<ul> <li>safety switch</li> </ul>	Yes
<ul> <li>maintenance/repair switch</li> </ul>	Yes
Product details	
Product feature / interlock	Yes
Product extension / optional	
motor drive	No
Voltage trigger	No

Design of the fuse link       for short-circuit protection of the main circuit / required       fuse gL/gG: 63 A         • for short-circuit protection of the auxiliary switch / required       fuse gL/gG: 10 A         Alechanical Design       60 mm         Width       36 mm         Depth       114 mm         Mounting type       Built-in unit fixed-mounted version         Mounting type       For the number of the auxiliary switch is real mounting with 4-hole attachment is real mounting with central attachment is real mounting with central attachment is real mounting with central attachment is real mounting is real mounting is real mounting is real mounting it is real mounting is real mountin	Short-time current resistance (Icw) / limited to 1 s / rated value	1 000 kA
Type of electrical connection       Box terminal         • for main current circuit       Box terminal         Requirements       Edeptition         Design of the fuse link       fuse gL/gG: 63 A         • for short-circuit protection of the main circuit / required       fuse gL/gG: 10 A         • for short-circuit protection of the auxiliary switch / required       fuse gL/gG: 10 A         * techanical Design       60 mm         Height       60 mm         Width       36 mm         Depth       114 mm         Mounting type       Built-in unit fixed-mounted version         Wouting type       S         • fornt mounting with 4-hole attachment       No         • fornt mounting with central attachment       Yes         • rail mounting       No         Not weight       200 g         Environmental conditions       -25 °C         Ambient temperature       -25 °C         • during operation / minimum       -25 °C         • during operation / minimum       55 °C         Equipment marking       -25 °C         • acc. to DIN EN 61346-2       S         • acc. to DIN EN 61346-2       SF	Number of NC contacts	0
Type of electrical connection       Box terminal         • for main current circuit       Box terminal         Requirements       Design of the fuse link <ul> <li>• for short-circuit protection of the main circuit / required</li> <li>• for short-circuit protection of the auxiliary switch / required</li> <li>• for short-circuit protection of the auxiliary switch / required</li> </ul> fuse gL/gG: 63 A           #lefchanical Design         fuse gL/gG: 10 A           Height         60 mm           Width         36 mm           Depth         114 mm           Mounting type         Built-in unit fixed-mounted version           Mounting type         Built-in unit fixed-mounted version           Mounting type         00 g           • front mounting with 4-hole attachment         No           • front mounting with central attachment         Yes           • rail mounting         No           Net weight         200 g           • during operation / minimum         -25 °C           • during operation / minimum         -25 °C           • during operation / maximum         55 °C           Certificates         Equipment marking           • acc. to DIN EN 61346-2         SF	Number of NO contacts	0
• for main current circuit       Box terminal         Requirements       Every product of the sea link       fuse gL/gG: 63 A         • for short-circuit protection of the main circuit / required       fuse gL/gG: 63 A         • for short-circuit protection of the auxiliary switch / required       fuse gL/gG: 10 A         Rechanical Design       60 mm         Width       36 mm         Depth       114 mm         Mounting type       Built-in unit fixed-mounted version         Mounting type       Built-in unit fixed-mounted version         Mounting type       00 g         • front mounting with 4-hole attachment       Vo         • front mounting with central attachment       S         • front mounting with central attachment       S         • front mounting with central attachment       S         • front mounting with central stachment       S         • front mounting with central stachment       S         • during operation / minimum       -25 °C		
Requirements         Design of the fuse link <ul> <li>for short-circuit protection of the main circuit / required</li> <li>for short-circuit protection of the auxiliary switch / required</li> <li>for fort mounting with 4-hole attachment / rot mounting with central attachment / reguired</li> <li>for for mounting</li> <li>No</li> <li>No</li> <li>No</li> <li>No</li> <li>No</li> <li>No</li> <li>No</li> <li>No</li> <li>Conditions</li> <li>Continue of the protection of minimum -25 °C</li> <li>continue of size of the siz</li></ul>	Type of electrical connection	
Design of the fuse link       fuse gL/gG: 63 A         required       fuse gL/gG: 63 A         • for short-circuit protection of the auxiliary switch / required       fuse gL/gG: 10 A         //required       60 mm         Mechanical Design       60 mm         Width       36 mm         Depth       114 mm         Mounting type       Built-in unit fixed-mounted version         Mounting type       Forn mounting with 4-hole attachment         • front mounting with central attachment       No         • front mounting with central attachment       Yes         • rail mounting       200 g         Environmental conditions       4mbient temperature         • during operation / minimum       -25 °C         • during operation / maximum       55 °C         Settificates       2         Equipment marking       S         • acc. to DIN EN 61346-2       S         • acc. to DIN EN 81346-2       SF	• for main current circuit	Box terminal
• for short-circuit protection of the main circuit / requiredfuse gL/gG: 63 A• for short-circuit protection of the auxiliary switchfuse gL/gG: 10 A/ requiredfuse gL/gG: 10 A/ required60 mm/ required36 mm/ Depth114 mmMounting typeBuilt-in unit fixed-mounted version/ fornt mounting with 4-hole attachmentNo• front mounting with central attachmentVes• front mounting with central attachmentNo• rail mounting200 gEnvironmental conditions-25 °CAmbient temperature-25 °C• during operation / maximum55 °CCertificatesEquipment marking• acc. to DIN EN 61346-2S• acc. to DIN EN 81346-2SF	Requirements	
required       • for short-circuit protection of the auxiliary switch       fuse gL/gG: 10 A         /required       60 mm         Wachanical Design       60 mm         Width       36 mm         Depth       114 mm         Mounting type       Built-in unit fixed-mounted version         Mounting type       Fornt mounting with 4-hole attachment         • front mounting with central attachment       Yes         • front mounting with central attachment       Yes         • rail mounting       No         Note temperature       200 g         • during operation / minimum       -25 °C         • during operation / maximum       55 °C         Certificates       Equipment marking         • acc. to DIN EN 61346-2       S         • acc. to DIN EN 81346-2       SF	Design of the fuse link	
/ required       Acchanical Design         Height       60 mm         Width       36 mm         Depth       114 mm         Mounting type       Built-in unit fixed-mounted version         Mounting type       Built-in unit fixed-mounted version         Mounting type       For mounting with 4-hole attachment         • front mounting with 4-hole attachment       No         • front mounting with central attachment       Yes         • rail mounting       No         Net weight       200 g         Environmental conditions       Ambient temperature         • during operation / minimum       -25 °C         • during operation / maximum       55 °C         Certificates       Equipment marking         • acc. to DIN EN 61346-2       S         • acc. to DIN EN 81346-2       SF	-	fuse gL/gG: 63 A
Height       60 mm         Width       36 mm         Depth       114 mm         Mounting type       Built-in unit fixed-mounted version         Mounting type       -         • front mounting with 4-hole attachment       No         • front mounting with central attachment       Yes         • rail mounting       No         Net weight       200 g         Environmental conditions       -25 °C         Ambient temperature       -25 °C         • during operation / minimum       -25 °C         • during operation / maximum       55 °C         Certificates		fuse gL/gG: 10 A
Width36 mmDepth114 mmMounting typeBuilt-in unit fixed-mounted versionMounting typeVersion• front mounting with 4-hole attachmentNo• front mounting with central attachmentYes• rail mountingNoNet weight200 gEnvironmental conditions	Mechanical Design	
Depth114 mmMounting typeBuilt-in unit fixed-mounted versionMounting type• front mounting with 4-hole attachmentNo• front mounting with central attachmentYes• rail mountingNoNet weight200 gEnvironmental conditionsAmbient temperature • during operation / maximum-25 °C• during operation / maximum55 °CCertificatesEquipment marking • acc. to DIN EN 61346-2S• acc. to DIN EN 81346-2SF	Height	60 mm
Mounting typeBuilt-in unit fixed-mounted versionMounting typeNo• front mounting with 4-hole attachmentNo• front mounting with central attachmentYes• rail mountingNoNet weight200 gEnvironmental conditionsAmbient temperature-25 °C• during operation / minimum-25 °C• during operation / maximum55 °CCertificatesEquipment markingS• acc. to DIN EN 61346-2S• acc. to DIN EN 81346-2SF	Width	36 mm
Mounting type       No         • front mounting with 4-hole attachment       No         • front mounting with central attachment       Yes         • rail mounting       No         Net weight       200 g         Environmental conditions       Ambient temperature         • during operation / minimum       -25 °C         • during operation / maximum       55 °C         Certificates       Equipment marking         • acc. to DIN EN 61346-2       S         • acc. to DIN EN 81346-2       SF	Depth	114 mm
<ul> <li>front mounting with 4-hole attachment</li> <li>front mounting with central attachment</li> <li>rail mounting</li> <li>No</li> <li>Net weight</li> <li>200 g</li> <li>Environmental conditions</li> <li>Ambient temperature         <ul> <li>during operation / minimum</li> <li>-25 °C</li> <li>during operation / maximum</li> <li>55 °C</li> </ul> </li> <li>Certificates</li> <li>Equipment marking         <ul> <li>acc. to DIN EN 61346-2</li> <li>S F</li> </ul> </li> </ul>	Mounting type	Built-in unit fixed-mounted version
<ul> <li>Front mounting with central attachment</li> <li>Front mounting with central attachment</li> <li>Yes</li> <li>No</li> <li>Net weight</li> <li>200 g</li> <li>Environmental conditions</li> <li>Ambient temperature         <ul> <li>during operation / minimum</li> <li>-25 °C</li> <li>during operation / maximum</li> <li>55 °C</li> </ul> </li> <li>Certificates</li> <li>Equipment marking         <ul> <li>acc. to DIN EN 61346-2</li> <li>acc. to DIN EN 81346-2</li> <li>SF</li> </ul> </li> </ul>	Mounting type	
• rail mounting     No       Net weight     200 g       Environmental conditions     200 g       Ambient temperature     -25 °C       • during operation / minimum     -25 °C       • during operation / maximum     55 °C       Certificates     200 g       Equipment marking     -25 °C       • acc. to DIN EN 61346-2     S       • acc. to DIN EN 81346-2     SF	<ul> <li>front mounting with 4-hole attachment</li> </ul>	No
Net weight       200 g         Environmental conditions       -25 °C         Ambient temperature       -25 °C         • during operation / minimum       -25 °C         • during operation / maximum       55 °C         Certificates	<ul> <li>front mounting with central attachment</li> </ul>	Yes
Environmental conditions         Ambient temperature         • during operation / minimum         -25 °C         • during operation / maximum         55 °C         Certificates         Equipment marking         • acc. to DIN EN 61346-2       S         • acc. to DIN EN 81346-2       SF	<ul> <li>rail mounting</li> </ul>	No
Ambient temperature       -25 °C         • during operation / minimum       -25 °C         • during operation / maximum       55 °C         Certificates       -25 °C         Equipment marking       -25 °C         • acc. to DIN EN 61346-2       S         • acc. to DIN EN 81346-2       SF	Net weight	200 g
<ul> <li>during operation / minimum</li> <li>-25 °C</li> <li>55 °C</li> <li>55 °C</li> </ul> Certificates Equipment marking <ul> <li>acc. to DIN EN 61346-2</li> <li>acc. to DIN EN 81346-2</li> <li>SF</li> </ul>	Environmental conditions	
• during operation / maximum 55 °C Certificates Equipment marking • acc. to DIN EN 61346-2 • acc. to DIN EN 81346-2 SF	Ambient temperature	
Equipment marking     S       • acc. to DIN EN 61346-2     S       • acc. to DIN EN 81346-2     SF	<ul> <li>during operation / minimum</li> </ul>	-25 °C
Equipment marking       • acc. to DIN EN 61346-2     S       • acc. to DIN EN 81346-2     SF	• during operation / maximum	55 °C
• acc. to DIN EN 61346-2         S           • acc. to DIN EN 81346-2         SF	Certificates	
• acc. to DIN EN 81346-2 SF	Equipment marking	
	• acc. to DIN EN 61346-2	S
Declaration of Conformity	• acc. to DIN EN 81346-2	SF
-	Declaration of Conformity	

Further information

EG-Konf.

Information- and Downloadcenter (Catalogs, Brochures,...) http://www.siemens.com/lowvoltage/catalogs https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3LD3450-0TK11

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3LD3450-0TK11

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3LD3450-0TK11

#### CAx-Online-Generator

http://www.siemens.com/cax

#### **Tender specifications**

http://www.siemens.com/specifications







