# **SIEMENS**

## Data sheet

## 3LD3448-0TK53



Switch disconnector 3LD3, main switch 3-polig, lu 63A operational switch at AC-23 A at 400 V 22,0 kW floor mounting Base mounting with door coupling center-hole 22,5 mm rotary operationg mechanism red/yellow 66 x66 mm

Model	
Product brand name	SENTRON
Product designation	3LD Switch disconnector
Design of the product	EMERGENCY-STOP switch
Display version / for switch position indicator manual operation	1 ON - 0 OFF
Design of the operating mechanism	Short rotary knob
Design of handle	rotary operating mechanism, red/yellow
Type of the driving mechanism / motor drive	No
General technical data	
Number of poles	3
Type of device	fixed mounting
Type of switch	Floor mounting with door coupling
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 <ul> <li>for short-circuit protection of the main circuit / required</li> <li>for short-circuit protection of the auxiliary switch / required</li> </ul> fuse gL/gG: 63 A             fuse gL/gG: 10 A             Acchanical Design              fuse gL/gG: 10 A             Height              60 mm            Width              36 mm            Depth              380 mm            Mounting type              Built-in unit fixed-mounted version            Mounting type               fornt mounting with 4-hole attachment                 front mounting with central attachment               No                 erail mounting               Yes            Net weight               300 g            Environmental conditions           Ambient temperature <ul> <li>             during operation / minimum             55 °C         </li> </ul>	Short-time current resistance (Icw) / limited to 1 s / rated value	1 000 kA
Advance of the fusce of the	Number of NC contacts	0
Type of electrical connection       Box terminal         • for main current circuit       Box terminal         Requirements       Edepticements         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         #echanical Design       60 mm         Height       60 mm         Mounting type       Built-in unit fixed-mounted version         Mounting type       Built-in unit fixed-mounted version         Mounting type       No         • front mounting with 4-hole attachment       Yes         • rail mounting       Yes         Net weight       300 g         furthereture       -25 °C         • during operation / minimum       -25 °C         • during operation / minimum       55 °C         Certificates       Equipment marking         • acc. to DIN EN 61346-2       S         • acc. to DIN EN 61346-2       SF	Number of NO contacts	0
• for main current circuit       Box terminal         Requirements       Every of the fuse link • for short-circuit protection of the main circuit / required       fuse gL/gG: 63 A fuse gL/gG: 10 A         • for short-circuit protection of the auxiliary switch / required       fuse gL/gG: 10 A         #echanical Design       60 mm         Width       36 mm         Depth       380 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       Yes         • front mounting with central attachment       Yes         • required       300 g         • front mounting with central attachment       Yes         • rail mounting       Yes         • rail mounting       55 °C         • 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		
Requirements         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         Adechanical Design       60 mm         Width       36 mm         Depth       380 mm         Mounting type       Built-in unit fixed-mounted version         Mounting type       Second         • front mounting with 4-hole attachment       No         • front mounting with 4-hole attachment       No         • front mounting with central attachment       Yes         Net weight       300 g         Environmental conditions       -25 °C         Certificates       S         Equipment marking       S         • acc. to DIN EN 61346-2       S         • acc. to DIN EN 81346-2       SF	Type of electrical connection	
Design of the fuse link       fuse gL/gG: 63 A         • for short-circuit protection of the auxiliary switch       fuse gL/gG: 10 A         / required       fuse gL/gG: 10 A         //echanical Design       60 mm         Width       36 mm         Depth       380 mm         Mounting type       Built-in unit fixed-mounted version         Mounting type       Built-in unit fixed-mounted version         Mounting type       Soon g         • front mounting with 4-hole attachment       Yes         • front mounting with central attachment       Yes         • rail mounting       Yes         Net weight       300 g         Environmental conditions       -25 °C         • during operation / minimum       -25 °C         • during operation / maximum       55 °C         Seruificates       Equipment marking         • acc. to DIN EN 61346-2       S         • acc. to DIN EN 61346-2       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 switch / requiredfuse gL/gG: 10 AAcchanical Design60 mmWidth36 mmDepth380 mmMounting typeBuilt-in unit fixed-mounted versionMounting with 4-hole attachment • front mounting with central attachment • rail mounting • during operation / minimum • during operation / maximumNoAmbient temperature • during operation / maximum-25 °CCertificatesSEquipment marking • acc. to DIN EN 61346-2S• acc. to DIN EN 81346-2SF	Requirements	
required       fuse gL/gG: 10 A         /required       fuse gL/gG: 10 A         /required       60 mm         Width       36 mm         Depth       380 mm         Mounting type       Built-in unit fixed-mounted version         Mounting type       Fornt mounting with 4-hole attachment         • front mounting with 4-hole attachment       No         • front mounting with central attachment       Yes         • rail mounting       Yes         Net weight       300 g         Environmental conditions       -25 °C         Ambient temperature       -25 °C         • during operation / minimum       -25 °C         • during operation / maximum       55 °C         Certificates       S         Equipment marking       S         • 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       380 mm         Mounting type       Built-in unit fixed-mounted version         Mounting type       Built-in unit fixed-mounted version         Mounting type       Form mounting with 4-hole attachment         • front mounting with 4-hole attachment       No         • front mounting with central attachment       Yes         Net weight       300 g         Environmental conditions       25 °C         Ambient temperature       -25 °C         • during operation / minimum       -25 °C         • during operation / minimum       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       380 mm         Mounting type       Built-in unit fixed-mounted version         Mounting type       Front mounting with 4-hole attachment         • front mounting with central attachment       Yes         • front mounting with central attachment       Yes         Net weight       300 g         Environmental conditions       -25 °C         • 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: 10 A
Width36 mmDepth380 mmMounting typeBuilt-in unit fixed-mounted versionMounting typeVersion• front mounting with 4-hole attachmentNo• front mounting with central attachmentYes• rail mountingYesNet weight300 gEnvironmental conditions-25 °C• during operation / minimum-25 °C• during operation / maximum55 °CCertificatesEquipment markings• acc. to DIN EN 61346-2S• acc. to DIN EN 81346-2SF	lechanical Design	
Depth       380 mm         Mounting type       Built-in unit fixed-mounted version         Mounting type       Fort mounting with 4-hole attachment         • front mounting with central attachment       Yes         • rail mounting       Yes         Net weight       300 g         Environmental conditions       -25 °C         • during operation / minimum       -25 °C         • during operation / maximum       55 °C         Certificates       -25 °C         Sector DIN EN 61346-2       S         • acc. to DIN EN 61346-2       S         • acc. to DIN EN 81346-2       SF	Height	60 mm
Mounting typeBuilt-in unit fixed-mounted versionMounting typeNo• front mounting with 4-hole attachmentNo• front mounting with central attachmentYes• rail mountingYesNet weight300 gEnvironmental conditions-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       Yes         Net weight       300 g         Environmental conditions       -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	Depth	380 mm
• front mounting with 4-hole attachmentNo• front mounting with central attachmentYes• rail mountingYesNet weight300 gEnvironmental conditionsAmbient temperature • during operation / minimum-25 °C• during operation / maximum55 °CCertificatesEquipment marking • acc. to DIN EN 61346-2S• acc. to DIN EN 81346-2SF	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>Yes</li> <li>300 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     Yes       Net weight     300 g       Environmental conditions     -25 °C       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	<ul> <li>front mounting with 4-hole attachment</li> </ul>	No
Net weight       300 g         Environmental conditions       -25 °C         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	<ul> <li>front mounting with central attachment</li> </ul>	Yes
Environmental conditions         Ambient temperature         • during operation / minimum         • during operation / maximum         55 °C         Certificates         Equipment marking         • acc. to DIN EN 61346-2       S         • acc. to DIN EN 81346-2       SF	• rail mounting	Yes
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	300 g
<ul> <li>during operation / minimum</li> <li>-25 °C</li> <li>55 °C</li> <li>C</li> </ul> Certificates           Equipment marking           • acc. to DIN EN 61346-2         S           • acc. to DIN EN 81346-2         SF	Invironmental 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	<ul> <li>during operation / maximum</li> </ul>	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=3LD3448-0TK53

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3LD3448-0TK53

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3LD3448-0TK53

#### CAx-Online-Generator

http://www.siemens.com/cax

#### Tender specifications http://www.siemens.com/specifications



