SIEMENS

Data sheet

3LD3448-0TK51



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 black 66 x66 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	Short rotary knob
Design of handle	rotary operating 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	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
Dissipation	
Power loss [W]	
 for rated value of the current / at AC / in hot 	4.5 W
operating state / per pole	
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	1 000 A
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
 switch disconnector 	Yes
EMERGENCY OFF switch	Yes
 safety switch 	Yes
 maintenance/repair switch 	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 for short-circuit protection of the auxiliary switch / required 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 eluring operation / minimum -25 °C coluring operation / maximum	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 • real mounting Yes • rail mounting Yes No g • troid 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		
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 Second Equipment marking -25 °C • 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
 Front mounting with central attachment Front mounting with central attachment Yes Yes 300 g Environmental conditions Ambient temperature during operation / minimum -25 °C during operation / maximum 55 °C Certificates Equipment marking acc. to DIN EN 61346-2 acc. to DIN EN 81346-2 SF 	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	 front mounting with 4-hole attachment 	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	 front mounting with central attachment 	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
 during operation / minimum -25 °C 55 °C C 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	 during operation / minimum 	-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=3LD3448-0TK51

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3LD3448-0TK51

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD3448-0TK51

CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications



