SIEMENS

Data sheet

3LD3454-0TK51

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 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	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
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 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 • for short-circuit protection of the main circuit / required • for short-circuit protection of the auxiliary switch / required • for short-circuit protection of the auxiliary switch / required 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
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Requirements Design of the fuse link for short-circuit protection of the main circuit / required for short-circuit protection of the auxiliary switch / required for the muniting with 4-hole attachment / reduction for mounting with central attachment / reduction of the state protection of the state protectine state protectin of the state protectine state protecin of the	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
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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
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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
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 Front mounting with central attachment Front mounting with central attachment Yes 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 acc. to DIN EN 81346-2 SF 	Mounting type	
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Net weight 200 g Environmental conditions -25 °C Ambient temperature -25 °C • during operation / minimum -25 °C • during operation / maximum 55 °C Certificates	 front mounting with central attachment 	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	 rail mounting 	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
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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=3LD3454-0TK51

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3LD3454-0TK51

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD3454-0TK51

CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications







