SIEMENS

Data sheet

3LD3254-1TK53

Switch disconnector 3LD3, main switch 3-polig, lu 32A operational switch at AC-23 A at 400 V 11,5 kW front mounted Base mounting with center-hole 22,5 mm rotary operationg mechanism red/yellow 66 x66 mm with auxiliary 1NO+1NC



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	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 	1.8 W
operating state / per pole	
Electricity Current / at AC / rated value	32 A
Continuous current / rated value	32 A
Short-time current resistance (Icw) / at 690 V / limited	500 A
to 1 s / rated value	300 A
Main circuit	
Operating frequency	50.11
• initial value	50 Hz
• Full-scale value	60 Hz
Operating power	
 at AC-23 A / at 400 V / rated value 	11.5 kW
• at AC-23 A / at 690 V / rated value	11.5 kW
• at AC-3 / at 400 V / rated value	9.5 kW
• at AC-3 / at 690 V / rated value	9.5 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

Height 60 mm Width 47 mm Depth 114 mm Mounting type Built-in unit fixed-mounted version Mounting type Fort mounting with 4-hole attachment • front mounting with central attachment No • rail mounting No Net weight 200 g Environmental conditions -25 °C • during operation / minimum -25 °C • during operation / maximum 55 °C	Short-time current resistance (Icw) / limited to 1 s / rated value	500 kA
Connections Type of electrical connection • for main current circuit Box terminal Requirements Design of the fuse link • for short-circuit protection of the main circuit / required fuse gL/gG: 40 A • for short-circuit protection of the auxiliary switch / required fuse gL/gG: 10 A * techanical Design 60 mm Height 60 mm Width 47 mm Depth 114 mm Mounting type Built-in unit fixed-mounted version Mounting type 200 g • for nt mounting with 4-hole attachment No • rail mounting No Net weight 200 g environmental conditions -25 °C Ambient temperature -25 °C • during operation / minimum -25 °C • during operation / minimum -55 °C	Number of NC contacts	1
Type of electrical connection Box terminal • for main current circuit Box terminal 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 for short-circuit protection of the auxiliary switch / required for short-circuit protection of the auxiliary switch / required for short-circuit protection of the auxiliary switch / required for short-circuit protection of the auxiliary switch / required for short-circuit protection of the auxiliary switch / required for short-circuit protection of the auxiliary switch / required for short-circuit protection of the auxiliary switch / required for short-circuit protection of the auxiliary switch / required for short-circuit protection of the auxiliary switch / required for short-circuit protection of the auxiliary switch / required for short-circuit protection of the auxiliary switch / required for short-circuit protection of the auxiliary switch / required for short-circuit protection for mounting type for front mounting with 4-hole attachment front mounting with 4-hole attachment real mounting No No No No No No for protection / minimum -25 °C c c contificates Equipment marking acc. to DIN EN 61346-2 SF Sincont set (Sin Sin Sin Sin Sin Sin Sin Sin Si	Number of NO contacts	1
• for main current circuit Box terminal Requirements Every protection of the main circuit / required fuse gL/gG: 40 A • for short-circuit protection of the auxiliary switch / required fuse gL/gG: 10 A • for short-circuit protection of the auxiliary switch / required 60 mm Mechanical Design Every protection Height 60 mm Width 47 mm Depth 114 mm Mounting type Built-in unit fixed-mounted version Mounting type Suilt-in unit fixed-mounted version Mounting type Go g • front mounting with 4-hole attachment No • front mounting with 4-hole attachment Yes • rail mounting No Net weight 200 g • routing operation / minimum -25 °C • during operation / minimum -25 °C • during operation / maximum 55 °C Certificates Equipment marking S • acc. to DIN EN 61346-2 S S • acc. to DIN EN 81346-2 S S		
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 for the mounting type for fort mounting with 4-hole attachment / regulated for fort mounting with central attachment / regulated for fort mounting with central attachment / regulated for fort mounting fortin moun	Type of electrical connection	
Design of the fuse link fuse short-circuit protection of the main circuit / required fuse gL/gG: 40 A • for short-circuit protection of the auxiliary switch / required fuse gL/gG: 10 A / required fuse gL/gG: 10 A //echanical Design 60 mm Width 47 mm Depth 114 mm Mounting type Built-in unit fixed-mounted version Mounting type Isuan and the fixed mount of the auxiliary switch i rail mounting with 4-hole attachment • front mounting with central attachment No Notweight 200 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	• for main current circuit	Box terminal
• for short-circuit protection of the main circuit / requiredfuse gL/gG: 40 A fuse gL/gG: 10 A• for short-circuit protection of the auxiliary switch / requiredfuse gL/gG: 10 AAcchanical Design60 mmHeight60 mmWidth47 mmDepth114 mmMounting typeBuilt-in unit fixed-mounted versionMounting typeNo• front mounting with 4-hole attachment • front mounting with central attachment • rail mountingNoNet weight200 gContinuental conditions-25 °C • C • S °CAmblent temperature • during operation / minimum • during operation / maximum-25 °C • S °CCertificatesEEquipment marking • acc. to DIN EN 61346-2S §F		
required fuse gL/gG: 10 A /required fuse gL/gG: 10 A /required 60 mm /redaminal Design 47 mm /redaminal Design 114 mm /redaminal Design No /redaminal Design Function of the auxiliary switch of the auxiliary swi	Design of the fuse link	
/ required Acchanical Design Height 60 mm Width 47 mm Depth 114 mm Mounting type Built-in unit fixed-mounted version Mounting type For the mounting with 4-hole attachment front mounting with eentral attachment front mounting with central attachment front mounting No Net weight 200 g Environmental conditions Ambient temperature e during operation / minimum -25 °C cortificates Equipment marking e acc. to DIN EN 61346-2 Sefe 		fuse gL/gG: 40 A
Height 60 mm Width 47 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
Width47 mmDepth114 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 / minimum-25 °C• during operation / maximum55 °CCertificatesEquipment marking • acc. to DIN EN 61346-2S• acc. to DIN EN 81346-2SF	Aechanical Design	
Depth114 mmMounting typeBuilt-in unit fixed-mounted versionMounting typeVersion• front mounting with 4-hole attachmentNo• front mounting with central attachmentYes• rail mounting200 gEnvironmental conditions-25 °C• during operation / minimum-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 conditions-25 °C• during operation / minimum55 °C• during operation / maximum55 °CEquipment markingS• acc. to DIN EN 61346-2S• acc. to DIN EN 81346-2SF	Width	47 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 -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	114 mm
 front mounting with 4-hole attachment front mounting with central attachment front mounting with central attachment rail mounting No No 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	Built-in unit fixed-mounted version
 Front mounting with central attachment Front mounting with central attachment 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 acc. to DIN EN 81346-2 	Mounting type	
• rail mounting No • rail mounting No Net weight 200 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	 front mounting with 4-hole attachment 	No
Net weight 200 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	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
 during operation / minimum -25 °C 55 °C C Certificates Equipment marking acc. to DIN EN 61346-2 acc. to DIN EN 81346-2 SF 	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	
Certificates Equipment marking	 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		
• 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	

urther 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=3LD3254-1TK53

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3LD3254-1TK53

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD3254-1TK53

CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications







