SIEMENS

Data sheet 3LD3440-0TL13



Load disconnector 3LD3, Iu 63 A Main switch 3-pole + N Rated operating capacity at AC-23 A at 400V 22.0 kW floor mounting Basic switch with door coupling Central hole mounting 22.5mm Toggle drive red / yellow 48x48 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	selector switch
Design of handle	knob-operated mechanism, red/yellow
Type of the driving mechanism / motor drive	No
General technical data	
Number of poles	4
Number of poles / Note	4
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 IP	Protection class	
Protection class IP / on the front Dissipation Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole Electricity Current / at AC / rated value 63 A Continuous current / dupstream fuse / rated value 63 A Continuous current / dupstream fuse / rated value 63 A Short-time current resistance (low) / at 690 V / limited to 1 s / rated value 61 to 1 s / rated value 62 to 1 s / rated value 63 to 1 s / rated value 60 Hz Operating frequency • initial value 60 Hz Operating power • at AC-23 A / at 690 V / rated value 18.5 kW • at AC-3 / at 590 V / rated value 18.5 kW • at AC-3 / at 590 V / rated value 18.5 kW Operating voltage • at AC / at 50/60 Hz / rated value 690 V Auxiliary circuit Number of NC contacts / for auxiliary contacts 0 Number of NC contacts / for auxiliary contacts 0 Operating voltage / of auxiliary contacts 10 Number of NC contacts / for auxiliary contacts 0 Operating voltage / of auxiliary contacts 10 Number of NC contacts / for auxiliary contacts 10 Operating voltage / of auxiliary contacts 10 Number of NC contacts / for auxiliary contacts 10 Operating voltage / of auxiliary contacts 10 Operating voltage / of auxiliary contacts 10 Operating voltage / of auxiliary contacts 10 Suitability Suitability Suitability Suitability Suitability **EMERGENCY OFF switch 7est **Yes** **EMERGENCY OFF switch 7est **EMERGENCY OFF switch 7est **EMERGENCY OFF switch 7est **EMERGENCY OFF sw		IP65
Dissipation Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole Electricity Current / at AC / rated value G3 A Continuous current / rated value Continuous current / rated value S3 A Continuous current / rated value S3 A Continuous current / rated value S3 A Short-time current resistance (lcw) / at 690 V / limited to 1 s / rated value Wain circuit Operating frequency • initial value • Full-scale value Operating power • at AC-23 A / at 400 V / rated value • at AC-23 A / at 690 V / rated value • at AC-33 A / at 690 V / rated value • at AC-3 A / at 690 V / rated value • at AC-3 / at 400 V / rated value • at AC / at 50/60 Hz / rated value • at AC / at 50/60 Hz / rated value • at AC / at 50/60 Hz / rated value • at AC / at 50/60 Hz / rated value • at AC / at 50/60 Hz / rated value • at AC / at 50/60 Hz / rated value • at AC / at 50/60 Hz / rated value • at AC / at 50/60 Hz / rated value • at AC / at 50/60 Hz / rated value • at AC / at 50/60 Hz / rated value • at AC / at 50/60 Hz / rated value • bout in a valiary contacts Operating voltage • at AC / at 50/60 Hz / rated value Soutability Suitability		
Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	FIGURE CONTROL OF THE FIGURE	1F03
Electricity		
Continuous current / rated value	- -	4.5 W
Current / at AC / rated value	/ in hot operating state / per pole	
Continuous current / rated value Continuous current / of upstream fuse / rated value Short-time current resistance (lcw) / at 690 V / limited to 1 s / rated value Main circuit Operating frequency initial value Full-scale value Operating power at AC-23 A / at 400 V / rated value ta AC-23 A / at 690 V / rated value at AC-3 A / at 690 V / rated value ta AC-3 / at 400 V / rated value ta AC-3 / at 400 V / rated value ta AC-3 / at 400 V / rated value ta AC-3 / at 400 V / rated value ta AC-3 / at 400 V / rated value ta AC-3 / at 400 V / rated value ta AC-3 / at 400 V / rated value ta AC-3 / at 690 V / rated value ta AC-3 / at 690 V / rated value ta AC-3 / at 690 V / rated value to perating voltage ta AC-3 / at 690 V / rated value Operating voltage	Electricity	
Continuous current / of upstream fuse / rated value Short-time current resistance (lcw) / at 690 V / limited to 1 s / rated value Main circuit Operating frequency • initial value • Full-scale value Operating power • at AC-23 A / at 400 V / rated value • at AC-33 A / at 690 V / rated value • at AC-34 / at 400 V / rated value • at AC-3 / at 690 V / rated value • at AC-3 / at 690 V / rated value • at AC-3 / at 690 V / rated value • at AC-3 / at 690 V / rated value • at AC-3 / at 690 V / rated value • at AC-3 / at 690 V / rated value • at AC-3 / at 690 V / rated value • at AC-3 / at 690 V / rated value • at AC-3 / at 690 V / rated value • at AC-3 / at 690 V / rated value Operating voltage • at AC / at 50/60 Hz / rated value Operating voltage • at AC / at 50/60 Hz / rated value 509 V Auxiliary circuit Number of CO contacts / for auxiliary contacts O Contacts / for auxiliary contacts O Contacts / for auxiliary contacts O Continuous current / of the auxiliary contact / rated value Insulation voltage / of the auxiliary switch / rated value Suitability Suitability Suitability Suitability Fes • Main switch • switch disconnector • EMERGENCY OFF switch • safety switch Yes	Current / at AC / rated value	63 A
Short-time current resistance (lcw) / at 690 V / limited to 1 s / rated value Main circuit Operating frequency • initial value • Full-scale value Operating power • at AC-23 A / at 400 V / rated value • at AC-3 / at 400 V / rated value • at AC-3 / at 400 V / rated value • at AC-3 / at 690 V / rated value • at AC -3 / at 690 V / rated value Operating voltage • at AC -3 / at 690 V / rated value • at AC -3 / at 690 V / rated value Operating voltage • at AC -3 / at 690 V / rated value 10 A value Suitability Suitability Yes • switch disconnector • safety switch Yes • safety switch	Continuous current / rated value	63 A
Main circuit Operating frequency initial value Full-scale value Operating power at AC-23 A / at 400 V / rated value at AC-3 / at 400 V / rated value at AC-3 / at 400 V / rated value at AC-3 / at 690 V / rated value at AC-3 / at 690 V / rated value at AC-3 / at 690 V / rated value at AC-3 / at 690 V / rated value at AC-3 / at 690 V / rated value be at AC -3 / at 690 V / rated value at AC-3 / at 690 V / rated value be at AC -3 / at 690 V / rated value consider the action of	Continuous current / of upstream fuse / rated value	63 A
Main circuit Operating frequency initial value Full-scale value Operating power at AC-23 A / at 400 V / rated value at AC-23 A / at 690 V / rated value at AC-3 / at 690 V / rated value at AC-3 / at 690 V / rated value at AC-3 / at 690 V / rated value at AC-3 / at 690 V / rated value at AC-3 / at 690 V / rated value at AC-3 / at 50/60 Hz / rated value full-skw Operating voltage at AC / at 50/60 Hz / rated value Operating voltage at AC / at 50/60 Hz / rated value Operating voltage / of auxiliary contacts Number of NO contacts / for auxiliary contacts Operating voltage / of auxiliary contacts Operating voltage / of auxiliary contact / rated value Operating voltage / of the auxiliary contact / rated value Soutability Suitability Suitability Yes EMERGENCY OFF switch Yes Safety switch	Short-time current resistance (lcw) / at 690 V / limited	1 000 A
Operating frequency initial value Full-scale value Operating power at AC-23 A / at 400 V / rated value at AC-23 A / at 690 V / rated value at AC-3 / at 400 V / rated value at AC-3 / at 400 V / rated value at AC-3 / at 400 V / rated value at AC-3 / at 690 V / rated value at AC-3 / at 690 V / rated value at AC-3 / at 690 V / rated value be at AC-3 / at 690 V / rated value at AC-3 / at 690 V / rated value Operating voltage at AC / at 50/60 Hz / rated value Operating voltage at AC / at 50/60 Hz / rated value Operating voltage / of ouxiliary contacts Number of NC contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts Operating voltage / of auxiliary contacts Operating voltage / of auxiliary contacts / at AC / maximum Continuous current / of the auxiliary contact / rated value Insulation voltage / of the auxiliary switch / rated value Suitability Suitability Suitability Suitability Suitability or use Main switch Yes EMERGENCY OFF switch Yes safety switch	to 1 s / rated value	
initial value Full-scale value Operating power at AC-23 A / at 400 V / rated value at AC-23 A / at 690 V / rated value at AC-3 / at 690 V / rated value at AC-3 / at 690 V / rated value at AC-3 / at 690 V / rated value at AC-3 / at 690 V / rated value at AC-3 / at 690 V / rated value bat AC-3 / at 690 V / rated value at AC-3 / at 690 V / rated value Operating voltage at AC / at 50/60 Hz / rated value Operating voltage at AC / at 50/60 Hz / rated value Operating voltacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts Operating voltage / of auxiliary contacts Sou V maximum Continuous current / of the auxiliary contact / rated value Insulation voltage / of the auxiliary switch / rated value Suitability Suitability Suitability for use Main switch switch disconnector Yes EMERGENCY OFF switch safety switch Yes	Main circuit	
• Full-scale value 60 Hz Operating power • at AC-23 A / at 400 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 Number of CO contacts / for auxiliary contacts 0 Number of NC contacts / for auxiliary contacts 0 Operating voltage / of auxiliary contacts 10 Operating voltage / of auxiliary contacts 10 Operating voltage / of auxiliary contacts 10 Operating voltage / of auxiliary contacts / at AC / 500 V maximum Continuous current / of the auxiliary contact / rated value 10 A United to value 10 A Suitability Suitability Suitability Suitability Yes • Main switch Yes • switch disconnector Yes • EMERGENCY OFF switch Yes • safety switch 12 Auxiliary switch Yes		
Operating power • at AC-23 A / at 400 V / rated value • at AC-23 A / at 690 V / rated value • at AC-3 / at 690 V / rated value • at AC-3 / at 690 V / rated value • at AC-3 / at 690 V / rated value • at AC / 3 / at 690 V / rated value • at AC / 3 / at 690 V / rated value Operating voltage • at AC / at 50/60 Hz / rated value 690 V Auxiliary circuit Number of CO contacts / for auxiliary contacts 0 Number of NC contacts / for auxiliary contacts 0 Operating voltage / of auxiliary contacts 0 Operating voltage / of auxiliary contacts / at AC / source /	• initial value	50 Hz
at AC-23 A / at 400 V / rated value at AC-23 A / at 690 V / rated value at AC-3 / at 400 V / rated value at AC-3 / at 690 V / rated value at AC-3 / at 690 V / rated value at AC-3 / at 690 V / rated value be at AC-3 / at 690 V / rated value Operating voltage at AC / at 50/60 Hz / rated value 690 V Auxiliary circuit Number of CO contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Operating voltage / of auxiliary contacts / at AC / maximum Continuous current / of the auxiliary contact / rated value Insulation voltage / of the auxiliary switch / rated value Suitability Suitability Suitability Suitability for use Main switch Suitability EMERGENCY OFF switch Safety switch Yes Safety switch	Full-scale value	60 Hz
at AC-23 A / at 690 V / rated value at AC-3 / at 400 V / rated value at AC-3 / at 690 V / rated value at AC-3 / at 690 V / rated value Operating voltage at AC / at 50/60 Hz / rated value Operating voltage at AC / at 50/60 Hz / rated value Operating voltacts / for auxiliary contacts Number of CO contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts Operating voltage / of auxiliary contacts / at AC / maximum Continuous current / of the auxiliary contact / rated value Insulation voltage / of the auxiliary switch / rated value Suitability Suitability Suitability Suitability Suitability Suitability EMERGENCY OFF switch at AC-3 / at 690 V / rated value 18.5 kW 18.5 kW 18.5 kW 18.5 kW 18.5 kW 18.5 kW 19.0 V 10.0	Operating power	
at AC-3 / at 400 V / rated value at AC-3 / at 690 V / rated value be at AC-3 / at 690 V / rated value certain voltage at AC / at 50/60 Hz / rated value 690 V Auxiliary circuit Number of CO contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Operating voltage / of auxiliary contacts / at AC / maximum Continuous current / of the auxiliary contact / rated value Insulation voltage / of the auxiliary switch / rated value Suitability Suitability Suitability Fes Main switch Switch disconnector EMERGENCY OFF switch Safety switch Yes	• at AC-23 A / at 400 V / rated value	22 kW
at AC-3 / at 690 V / rated value Operating voltage at AC / at 50/60 Hz / rated value 690 V Auxiliary circuit Number of CO contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts Operating voltage / of auxiliary contacts / at AC / maximum Continuous current / of the auxiliary contact / rated value Insulation voltage / of the auxiliary switch / rated value Suitability Suitability Suitability Suitability for use • Main switch • switch disconnector • EMERGENCY OFF switch • safety switch Yes	• at AC-23 A / at 690 V / rated value	18.5 kW
Operating voltage • at AC / at 50/60 Hz / rated value 690 V Auxiliary circuit Number of CO contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts Operating voltage / of auxiliary contacts / at AC / maximum Continuous current / of the auxiliary contact / rated value Insulation voltage / of the auxiliary switch / rated value Suitability Suitability Suitability Suitability for use • Main switch • switch disconnector • EMERGENCY OFF switch • safety switch Yes • safety switch	• at AC-3 / at 400 V / rated value	18.5 kW
at AC / at 50/60 Hz / rated value Auxiliary circuit Number of CO contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Operating voltage / of auxiliary contacts / at AC / maximum Continuous current / of the auxiliary contact / rated value Insulation voltage / of the auxiliary switch / rated value Suitability Suitability Suitability Suitability for use Main switch switch disconnector EMERGENCY OFF switch safety switch Yes Yes Yes	• at AC-3 / at 690 V / rated value	15 kW
Auxiliary circuit Number of CO contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Operating voltage / of auxiliary contacts / at AC / maximum Continuous current / of the auxiliary contact / rated value Insulation voltage / of the auxiliary switch / rated value Suitability Suitability Suitability Suitability for use • Main switch • switch disconnector • EMERGENCY OFF switch • safety switch • safety switch Yes • safety switch	Operating voltage	
Number of CO contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Operating voltage / of auxiliary contacts / at AC / maximum Continuous current / of the auxiliary contact / rated value Insulation voltage / of the auxiliary switch / rated value Suitability Suitability for use Main switch switch disconnector EMERGENCY OFF switch safety switch Yes safety switch Yes	• at AC / at 50/60 Hz / rated value	690 V
Number of CO contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Operating voltage / of auxiliary contacts / at AC / maximum Continuous current / of the auxiliary contact / rated value Insulation voltage / of the auxiliary switch / rated value Suitability Suitability for use Main switch Switch disconnector EMERGENCY OFF switch safety switch Yes safety switch Yes	A illiama a disea de	
Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Operating voltage / of auxiliary contacts / at AC / maximum Continuous current / of the auxiliary contact / rated value Insulation voltage / of the auxiliary switch / rated value Suitability Suitability for use Main switch Switch disconnector EMERGENCY OFF switch safety switch Yes Yes Yes Yes Yes	•	0
Number of NO contacts / for auxiliary contacts Operating voltage / of auxiliary contacts / at AC / maximum Continuous current / of the auxiliary contact / rated value Insulation voltage / of the auxiliary switch / rated value Suitability Suitability for use Main switch switch disconnector EMERGENCY OFF switch safety switch Yes Yes Yes		
Operating voltage / of auxiliary contacts / at AC / maximum Continuous current / of the auxiliary contact / rated value Insulation voltage / of the auxiliary switch / rated value Suitability Suitability Suitability for use • Main switch • switch disconnector • EMERGENCY OFF switch • safety switch • safety switch		
Continuous current / of the auxiliary contact / rated value Insulation voltage / of the auxiliary switch / rated value Suitability Suitability for use Main switch switch disconnector EMERGENCY OFF switch safety switch Yes Safety switch		
Continuous current / of the auxiliary contact / rated value Insulation voltage / of the auxiliary switch / rated value Suitability Suitability for use • Main switch • switch disconnector • EMERGENCY OFF switch • safety switch 10 A 700 V 700		500 V
Insulation voltage / of the auxiliary switch / rated value Suitability Suitability for use Main switch switch disconnector EMERGENCY OFF switch safety switch Yes safety switch Yes		10 A
Suitability Suitability for use Main switch switch disconnector EMERGENCY OFF switch safety switch Yes safety switch	· · · · · · · · · · · · · · · · · · ·	
Suitability Suitability for use • Main switch • switch disconnector • EMERGENCY OFF switch • safety switch Yes • safety switch	Insulation voltage / of the auxiliary switch / rated	500 V
Suitability for use • Main switch • switch disconnector • EMERGENCY OFF switch • safety switch Yes • safety switch	value	
Suitability for use • Main switch • switch disconnector • EMERGENCY OFF switch • safety switch Yes • safety switch	Suitability	
 Main switch switch disconnector EMERGENCY OFF switch safety switch Yes Yes Yes		
 EMERGENCY OFF switch safety switch Yes Yes 		Yes
 EMERGENCY OFF switch safety switch Yes Yes 	switch disconnector	Yes
• safety switch Yes	EMERGENCY OFF switch	Yes
		Yes
		Yes
Product details		

Product feature / interlock	Yes
Number of bracket locks / maximum	2
Hasp thickness / of bracket locks / minimum	4 mm
Hasp thickness / of bracket locks / maximum	6 mm
Product extension / optional	
 motor drive 	No
Voltage trigger	No

Short circuit	
Conditional short-circuit current / with line-side fuse	
protection	
• at 690 V / by gG fuse / rated value	6 kA
Number of NC contacts	0
Number of NO contacts	0

Connections	
Type of connectable conductor cross-sections	
 for copper conductor / solid 	1x (2.5 to 16 mm²)
 for copper conductor / stranded 	1x (2.5 to 16 mm²)
 for auxiliary contacts / solid 	2x (0.75 2.5 mm²), 1x 4 mm²
 for auxiliary contacts / finely stranded / with core end processing 	2x (0.75 1.5 mm²), 1x 2.5 mm²
1 0	
 for auxiliary contacts / stranded 	2x (0.75 2.5 mm2), 1x 4 mm2
Type of electrical connection	
 for main current circuit 	box terminal
 for auxiliary contacts 	Box terminals

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

Mechanical Design	
Height	60 mm
Width	49 mm
Depth	380 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	Yes
Net weight	300 g

Environmental conditions

Ambient temperature

during operation / minimum

-25 °C

• during operation / maximum

55 °C

Certificates

Reference code

• acc. to DIN EN 61346-2

S SF

• acc. to DIN EN 81346-2

General Product Approval

Declaration of Conformity





Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

http://www.siemens.com/lowvoltage/catalogs

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3LD3440-0TL13

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3LD3440-0TL13

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD3440-0TL13

CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications







