SIEMENS

Data sheet 3LD3440-1TK13



Load disconnector 3LD3, Iu 63 A Main switch 3-pole 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 with auxiliary switch 10E+1S

insulation voltage rated value surge voltage resistance rated value operating voltage o at AC rated value operating frequency rated value ominimum omaximum foo Hz Protection class IP degree of protection NEMA rating protection class IP on the front Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole 690 V 6	Model	
design of the product display version for switch position indicator manual operation type of switch design of the actuating element selector switch color of the actuating element red design of handle knob-operated mechanism, red/yellow type of the driving mechanism motor drive No Concrat technical data number of poles note mechanical service life (operating cycles) typical electrical endurance (operating cycles) at AC-23 A at 690 V operating frequency maximum degree of pollution voltage rated value operating voltage at AC-25 A at 240 V rated value operating frequency rated value ominimum omaximum so thz operating protection class IP degree of protection NEMA rating protection class IP of the form operating state per pole Main circuit at AC-21 A at 400 V rated value of AC-21 A at 440 V rated value	product brand name	SENTRON
display version for switch position indicator manual operation 1 ON - 0 OFF	product designation	Switch disconnector
type of switch Floor mounting with door coupling design of the actuating element selector switch selector switch selector switch red color of the actuating element red design of handle knob-operated mechanism, red/yellow hose selector switch should be supported to the driving mechanism motor drive No Ceneral technical data **Total Color of the driving mechanism motor drive No Ceneral technical data **Total Color of the driving mechanism motor drive No Ceneral technical data **Total Color of the driving mechanism motor drive No Ceneral Color of the driving mechanical service life (operating cycles) typical 100 000 electrical endurance (operating cycles) typical electrical endurance (operating cycles	design of the product	EMERGENCY-STOP switch
design of the actuating element red color of the actuating element red design of handle knob-operated mechanism, red/yellow type of the driving mechanism motor drive No General technical data number of poles	display version for switch position indicator manual operation	1 ON - 0 OFF
color of the actuating element red design of handle knob-operated mechanism, red/yellow type of the driving mechanism motor drive No Connect technical data No number of poles 3 number of poles note 3 mechanical service life (operating cycles) typical 100 000 electrical endurance (operating cycles) 4 e at AC-23 A at 690 V 6 000 operating frequency maximum 50 1/h degree of pollution 3 Voltage V insulation voltage rated value 690 V operating voltage 690 V e at AC rated value 690 V operating frequency rated value 690 V e maximum 50 Hz e maximum 60 Hz Protection class IP IP65 degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP on the front IP65 Dissipation 4.5 W Operating state per pole 4.5 W Main circuit 4.5 W of A C-21 A at 240	type of switch	Floor mounting with door coupling
design of handle knob-operated mechanism, red/yellow type of the driving mechanism motor drive No General technical data number of poles 3 number of poles 1 number of poles 3 number of poles 100 000 mechanical service life (operating cycles) typical 100 000 electrical endurance (operating cycles) 4 6 000 operating frequency maximum 50 1/h degree of pollution 3 operating frequency maximum 60 V operating voltage resistance rated value 690 V operating voltage resistance rated value 690 V operating frequency rated value 690 V operating frequency rated value 690 V operating frequency rated value 690 V operating frequency rated value 690 V operating frequency rated value 690 V operating frequency rated value 690 V operating frequency rated value 690 V operating frequency rated value 690 V operating frequency rated value 690 V operating frequency rated value 690 V operating frequency rated value 690 V operating frequency rated value 690 V operating frequency rated value 690 V operation class IP on the front 910 P65 degree of protection nEMA rating 1, 3R, 4X, 12 protection class IP on the front 910 P65 degree of protection NEMA rating 4,5 W operating state per pole Main circuit operational current 4 AC in hot operating state per pole 4 AC-21 A at 400 V rated value 63 A 4 AC-21 A at 240 V rated value 63 A 4 AC-21 A at 440 V rated value 63 A 4 AC-21 A at 440 V rated value 63 A 4 AC-21 A at 440 V rated value 63 A	design of the actuating element	selector switch
type of the driving mechanism motor drive General technical data number of poles	color of the actuating element	red
number of poles number of poles note number of poles note nechanical service life (operating cycles) typical electrical endurance (operating cycles)	design of handle	knob-operated mechanism, red/yellow
number of poles	type of the driving mechanism motor drive	No
number of poles note 3 mechanical service life (operating cycles) typical 100 000 electrical endurance (operating cycles) 6 000 • at AC-23 A at 690 V 6 000 operating frequency maximum 50 1/h degree of pollution 3 Voltage insulation voltage rated value 690 V surge voltage resistance rated value 6 kV operating voltage 690 V • at AC rated value 690 V operating frequency rated value 50 Hz • minimum 50 Hz • maximum 60 Hz Protection class IP protection class IP IP65 degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP on the front IP65 Dissipation IP65 Obssipation 4.5 W operating state per pole 63 A Main circuit 63 A o at AC-21 A at 240 V rated value 63 A o at AC-21 A at 400 V rated value 63 A o at AC-21 A at 440 V rated value <td< td=""><td>General technical data</td><td></td></td<>	General technical data	
mechanical service life (operating cycles) typical electrical endurance (operating cycles)	number of poles	3
electrical endurance (operating cycles) • at AC-23 A at 690 V operating frequency maximum 50 1/h degree of pollution 3 Voltage insulation voltage rated value 690 V surge voltage resistance rated value 690 V operating voltage • at AC rated value 690 V operating frequency rated value • minimum 50 Hz • maximum 50 Hz Protection class IP degree of protection NEMA rating protection class IP of protection NEMA rating protection class IP of protection NEMA rating protection class IP of the front of the current at AC in hot operating state per pole Main circuit operational current • at AC-21 at 690 V rated value 63 A • at AC-21 A at 440 V rated value 63 A • at AC-21 A at 440 V rated value 63 A • at AC-21 A at 440 V rated value 63 A	number of poles note	3
at AC-23 A at 690 V operating frequency maximum 50 1/h degree of pollution 3 Voltage insulation voltage rated value 690 V surge voltage resistance rated value 6 kV operating voltage at AC rated value 690 V operating frequency rated value 600 Hz Protection class protection class IP degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP on the front IP65 Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Main circuit operational current at AC-21 at 690 V rated value 63 A at AC-21 A at 240 V rated value 63 A at AC-21 A at 400 V rated value 63 A at AC-21 A at 440 V rated value 63 A	mechanical service life (operating cycles) typical	100 000
operating frequency maximum degree of pollution 3 Voltage insulation voltage rated value surge voltage resistance rated value operating voltage • at AC rated value • minimum • maximum 50 Hz • maximum 50 Hz • maximum 50 Hz • maximum Frotection class IP degree of protection NEMA rating protection class IP IP65 degree of protection NEMA rating protection class IP IP65 Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Main circuit • at AC-21 at 690 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 440 V rated value	electrical endurance (operating cycles)	
degree of pollution Voltage insulation voltage rated value 690 V surge voltage resistance rated value 690 V operating voltage • at AC rated value 690 V operating frequency rated value 690 V operating frequency rated value • minimum 60 Hz Protection class protection class IP degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP on the front IP65 Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Main circuit operational current • at AC-21 at 690 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value 63 A • at AC-21 A at 440 V rated value 63 A	• at AC-23 A at 690 V	6 000
insulation voltage rated value 690 V surge voltage resistance rated value 6kV operating voltage	operating frequency maximum	50 1/h
insulation voltage rated value 690 V surge voltage resistance rated value 6 kV operating voltage • at AC rated value 690 V operating frequency rated value • minimum 50 Hz • maximum 50 Hz • maximum 60 Hz Protection class protection class IP IP65 degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP on the front IP65 Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Main circuit operational current • at AC-21 at 690 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value • 63 A • at AC-21 A at 440 V rated value • 63 A • at AC-21 A at 440 V rated value • 63 A • at AC-21 A at 440 V rated value • 63 A	degree of pollution	3
surge voltage resistance rated value operating voltage • at AC rated value operating frequency rated value • minimum • maximum 50 Hz • maximum 50 Hz Frotection class protection class IP degree of protection NEMA rating protection class IP on the front Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Main circuit operational current • at AC-21 at 690 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 440 V rated value	Voltage	
operating voltage	insulation voltage rated value	690 V
 at AC rated value operating frequency rated value minimum maximum <	surge voltage resistance rated value	6 kV
operating frequency rated value • minimum • maximum 60 Hz Protection class protection class IP degree of protection NEMA rating protection class IP on the front IP65 Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Main circuit operational current • at AC-21 at 690 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 400 V rated value • at AC-21 A at 440 V rated value	operating voltage	
minimum	at AC rated value	690 V
● maximum Frotection class protection class IP degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP on the front IP65 Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Main circuit operational current ● at AC-21 at 690 V rated value ● at AC-21 A at 240 V rated value ● at AC-21 A at 440 V rated value ● at AC-21 A at 440 V rated value ● at AC-21 A at 440 V rated value ● at AC-21 A at 440 V rated value ● at AC-21 A at 440 V rated value ● at AC-21 A at 440 V rated value ● 3 A	operating frequency rated value	
protection class IP degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP on the front Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Main circuit operational current • at AC-21 at 690 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 400 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value	• minimum	50 Hz
protection class IP degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP on the front IP65 Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Main circuit operational current • at AC-21 at 690 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value	• maximum	60 Hz
degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP on the front Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Main circuit operational current • at AC-21 at 690 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value	Protection class	
protection class IP on the front IP65 Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Main circuit operational current • at AC-21 at 690 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value	protection class IP	IP65
power loss [W] for rated value of the current at AC in hot operating state per pole Main circuit operational current • at AC-21 at 690 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 400 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value	degree of protection NEMA rating	1, 3R, 4X, 12
power loss [W] for rated value of the current at AC in hot operating state per pole Main circuit operational current • at AC-21 at 690 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 400 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value	protection class IP on the front	IP65
operating state per pole Main circuit operational current • at AC-21 at 690 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 400 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value	Dissipation	
operational current • at AC-21 at 690 V rated value • at AC-21 A at 240 V rated value • at AC-21 A at 400 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value 63 A		4.5 W
 at AC-21 at 690 V rated value at AC-21 A at 240 V rated value at AC-21 A at 400 V rated value at AC-21 A at 440 V rated value at AC-21 A at 440 V rated value 	Main circuit	
 at AC-21 A at 240 V rated value at AC-21 A at 400 V rated value at AC-21 A at 440 V rated value 63 A 63 A 	operational current	
 at AC-21 A at 400 V rated value at AC-21 A at 440 V rated value 63 A 63 A 	• at AC-21 at 690 V rated value	63 A
• at AC-21 A at 440 V rated value 63 A	• at AC-21 A at 240 V rated value	63 A
	• at AC-21 A at 400 V rated value	63 A
at AC-23 A at 400 V rated value 43 A	• at AC-21 A at 440 V rated value	63 A
	 at AC-23 A at 400 V rated value 	43 A

operating power	441W
at AC-23 A at 240 V rated value	11 kW
at AC-23 A at 400 V rated value	22 kW
• at AC-23 A at 440 V rated value	22 kW
• at AC-23 A at 690 V rated value	19 kW
• at AC-3 at 240 V rated value	11 kW
at AC-3 at 400 V rated value	19 kW
at AC-3 at 690 V rated value	15 kW
Auxiliary circuit	
number of CO contacts for auxiliary contacts	0
number of NC contacts for auxiliary contacts	1
number of NO contacts for auxiliary contacts	1
operating voltage of auxiliary contacts at AC maximum	500 V
continuous current of the auxiliary contact rated value	10 A
insulation voltage of the auxiliary switch rated value	500 V
Suitability	
suitability for use	
main switch	Yes
• switch disconnector	Yes
EMERGENCY OFF switch	Yes
safety switch	Yes
maintenance/repair switch	Yes
Product details	
special product feature	Can be locked in zero position
product feature can be locked into OFF position	Yes
accessories	
product extension optional	
 motor drive 	No
voltage trigger	No
number of connectable NC contacts for auxiliary contacts attachable maximum	2
number of connectable NO contacts for auxiliary contacts attachable maximum	4
number of connectable CO contacts for auxiliary contacts attachable maximum	0
number of bracket locks maximum	2
hasp thickness of the bracket locks	4 6 mm
Short circuit	
conditional short-circuit current with line-side fuse protection	
 at 440 V by gG fuse rated value 	10 kA
at 690 V by gG fuse rated value	6 kA
let-through current with closed switch	
• at 240 V for combination switch + gG fuse maximum	6 kA
• at 440 V for combination switch + gG fuse maximum	6 kA
 at 690 V for combination switch + gG fuse maximum permissible 	6 kA
I2t value with closed switch	
• at 240 V for combination switch + gG fuse maximum	21 kA2.s
• at 440 V for combination switch + gG fuse maximum	21 kA2.s
at 690 V for combination switch + gG fuse maximum	21 kA2.s
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
operational current of upstream fuse rated value	63 A
according UL	
operational current at AC according to UL 508/UL 60947-4-1 rated value	63 A
operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value	600 V
active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value	25
active power [hp] at AC at 600 V according to UL 508/UL 60947- 4-1 rated value	30

short-time withstand current (SCCR) at 600 V according to UL 508/UL 60947-4-1	5 kA
continuous current of upstream fuse according to UL rated value	50 A
type of fuse according to UL	RK5
Connections	
AWG number as coded connectable conductor cross section solid	
• maximum	6
• minimum	14
type of connectable conductor cross-sections for copper conductor	
• solid	1x (2.5 to 16 mm²)
 finely stranded with core end processing 	1x (2.516 mm²)
stranded	1x (2.5 to 16 mm²)
type of connectable conductor cross-sections for auxiliary contacts	
• solid	2x (0.75 2.5 mm²), 1x 4 mm²
 finely stranded with core end processing 	2x (0.75 1.5 mm²), 1x 2.5 mm²
• 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
Mechanical Design	
height	60 mm
width	47 mm
depth	380 mm
type of device	fixed mounting
fastening method	Built-in unit fixed-mounted version
fastening method	
 4-hole front mounting 	No
 front mounting with central attachment 	Yes
rail mounting	Yes
net weight	300 g
Environmental conditions	
ambient temperature during operation	
• minimum	-25 °C
maximum	55 °C
ambient temperature during storage	
• minimum	-25 °C
• maximum	55 °C
General Product Approval	Declaration of Conformity

Confirmation











other Environment

<u>Confirmation</u> <u>Miscellaneous</u> <u>Environmental Confirmations</u>

Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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

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

Industry Mall (Online ordering system)

 $\underline{https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3LD3440-1TK13}$

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3LD3440-1TK13

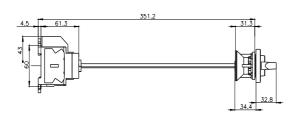
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD3440-1TK13

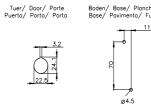
CAx-Online-Generator

Tender specifications

http://www.siemens.com/specifications









last modified: 6/20/2023

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Siemens:

3LD34401TK13