## **SIEMENS**

Data sheet 3LD2203-3VK53



SENTRON, Switch disconnector 3LD, emergency switching-off switch, 6- pole, lu: 32 A, operating power / at AC-23 A 400 V: 11.5 kW, front-mounted, rotary operating mechanism, Red / yellow, 4-hole mounting of the handle

product brand name	Model	
design of the product  display version for switch position indicator manual operation type of switch  design of the actuating element color of the actuating element color of the actuating element red design of handle type of the driving mechanism motor drive No  Ceneral technical data number of poles size of switch disconnector mechanical service life (operating cycles) typical electrical endurance (operating cycles)  • at AC-23 A at 590 V  operating frequency maximum degree of pollution  voltage instulation voltage rated value • at AC-21 hat 480 V rated value  • at AC-21 hat 480 V rated value  • at AC-21 hat 40 V rated value	product brand name	SENTRON
display version for switch position indicator manual operation type of switch design of the actuating element color of the actuating element red design of handle type of the driving mechanism motor drive No  Ceneral technical data number of poles size of switch disconnector mechanical service life (operating cycles) typical electrical endurance (operating cycles) typical electrical endurance (operating cycles) • at AC-23 A at 690 V operating frequency maximum degree of pollution 3  Voitage insulation voitage rated value operating voitage • at AC rated value • minimum • maximum  Foo Hz  emaximum  foo Hz  Protection class IP  degree of protection NEMA rating protection class IP on the front Dissipation  power loss IVI for rated value of the current at AC in hot operating state per pole Main circuit  operating state AL 21 at 800 V rated value • at AC-21 at 800 V rated value • at AC-21 at 800 V rated value • at AC-21 at 440 V rated value	product designation	Switch disconnector
type of switch front mounted design of the actuating element Short rotary knob color of the actuating element red red rotary operating mechanism, red/yellow type of the driving mechanism motor drive No Reneral technical data mumber of poles 6 size of switch disconnector 2 mechanical service life (operating cycles) typical 100 000 electrical endurance (operating cycles) typical electrical endurance (operating cycles) 4 of 000 operating frequency maximum 50 1/h degree of pollution 3 voltage rated value 690 V surge voltage resistance rated value 690 V surge voltage resistance rated value 690 V operating frequency rated value 690 Hz Protection class IP 695 degree of protection class IP 1965 degree of protection class IP 1965 operations IP 1965 operations IP 1965 operations IV 1965 oper	design of the product	EMERGENCY-STOP switch
design of the actuating element red color of the actuating element red design of handle rotary operating mechanism, red/yellow type of the driving mechanism motor drive No  General technical data  number of poles 6 Size of switch disconnector 2 mechanical service life (operating cycles) typical 100 000 electrical endurance (operating cycles) volume 50 1/h degree of pollution 3  Voltage insulation voltage rated value 690 V operating voltage resistance rated value 690 V operating voltage at AC-21 A ta 400 V ated value 1, 3R, 4X, 12 protection class IP IP65 degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP IP65 degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP operating voltage rated value of the current at AC in hot operating state per pole Main circuit  at AC-21 A at 400 V rated value 32 A at AC-21 A at 440 V rated value 32 A at AC-21 A at 440 V rated value 32 A at AC-21 A at 440 V rated value 32 A at AC-21 A at 440 V rated value 32 A at AC-21 A at 440 V rated value 32 A at AC-21 A at 440 V rated value 32 A at AC-21 A at 440 V rated value 32 A at AC-21 A at 440 V rated value 42 AC-21 A at 440 V rated value 43 AC-21 A at 440 V rated	display version for switch position indicator manual operation	1 ON - 0 OFF
color of the actuating element         red           design of handle         rotary operating mechanism, red/yellow           type of the driving mechanism motor drive         No           General technical data           number of poles           size of switch disconnector         2           mechanical service life (operating cycles) typical         100 000           electrical endurance (operating cycles)         4 at AC-23 A at 690 V           operating frequency maximum         50 1/h           degree of pollution         3           Voitage           insulation voitage resistance rated value         690 V           operating voitage         4 AC Cated value         690 V           operating frequency rated value         690 V           operating frequency rated value         60 Hz           Protection class         Protection class           protection class IP         IP65           degree of protection NEMA rating         1, 3R, 4X, 12           protection class IP on the front         IP65           Dissipation         1,8 W           power loss [W] for rated value of the current at AC in hot operating slate per pole         4 AC-21 A at 240 V rated value         32 A           4 AC-21 A at 440 V Vrated value         32 A	type of switch	front mounted
design of handle rotary operating mechanism, red/yellow type of the driving mechanism motor drive No  General technical data  number of poles 6 size of switch disconnector 2 mechanical service life (operating cycles) typical 100 000 electrical endurance (operating cycles) 4 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 690 V operating frequency rated value 690 V operating frequency rated value 690 V operating frequency rated value 690 V  poreating frequency rated value 690 V  protection class IP on the front 965  protection class IP on the front 965  Dissipation  power loss [W] for rated value of the current at AC in hot operating state per pole  Main circuit  operational current 32 A 33 A 34 A 34 A 34 A 34 A 34 A 34 A	design of the actuating element	Short rotary knob
type of the driving mechanism motor drive  General technical data  number of poles  6  5:ze of switch disconnector  2  mechanical service life (operating cycles) typical electrical endurance (operating cycles)  • at AC-23 A at 580 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 690 V  surge voltage resistance rated value 690 V  operating frequency rated value 690 V  operating frequency rated value 690 V  porating frequency rated value 690 V  operating frequency rated value 100 Hz  Protection class IP  protection class IP  protection class IP  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  operating state per pole  Main circuit  operational current • at AC-21 A at 400 V rated value 32 A • at AC-21 A at 400 V rated value 32 A • at AC-21 A at 400 V rated value 32 A • at AC-21 A at 440 V rated value 32 A • at AC-21 A at 440 V rated value 32 A	color of the actuating element	red
General technical data         6           number of poles         6           size of switch disconnector         2           mechanical service life (operating cycles) typical         100 000           electrical endurance (operating cycles)         6 000           • at AC-23 A at 890 V         6 000           operating frequency maximum         50 1/h           degree of pollution         3           Voltage         690 V           surge voltage resistance rated value         6 kV           operating voltage         6 kV           • at AC rated value         690 V           operating frequency rated value         60 Hz           • minimum         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         1P65           Dissipation         32 A           • at AC-21 at 890 V rated value         32 A           • at AC-21 A at 400 V rated value         32 A           • at AC-21 A at 400 V rated value         32 A           • at AC-21 A at 240 V rated value	design of handle	rotary operating mechanism, red/yellow
number of poles size of switch disconnector 2 mechanical service life (operating cycles) typical 100 000 electrical endurance (operating cycles)	type of the driving mechanism motor drive	No
size of switch disconnector   2	General technical data	
mechanical service life (operating cycles) typical 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 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 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 A at 240 V rated value • at AC-21 A at 440 V vated 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 • 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	number of poles	6
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  protection class IP  degree of protection NEMA rating  1, 3R, 4X, 12  protection class IP on the front  IP65  Dissipation  power loss [M] 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  32 A  • at AC-21 A at 400 V rated value  33 A  • at AC-21 A at 400 V rated value  34 A  • at AC-21 A at 440 V rated value  36 A  37 A	size of switch disconnector	2
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 600 Hz  Protection class protection class IP degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP on the front Dissipation  Dissipation  Dissipation  Admin circuit  operational current  at AC-21 at 690 V rated value 32 A at AC-21 A at 440 V rated value 32 A at AC-21 A at 440 V rated value 32 A at AC-21 A at 440 V rated value 32 A at AC-21 A at 440 V rated value 32 A at AC-21 A at 440 V rated value 32 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  Protection class IP degree of protection NEMA rating protection class IP of the front  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 440 V rated value 32 A • at AC-21 A at 440 V rated value 32 A • at AC-21 A at 440 V rated value 32 A • at AC-21 A at 440 V rated value 32 A • at AC-21 A at 440 V rated value 32 A • at AC-21 A at 440 V rated value 32 A	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 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 • at AC-21 A at 240 V rated value 32 A • at AC-21 A at 440 V rated value 32 A • at AC-21 A at 440 V rated value 32 A • at AC-21 A at 440 V rated value 32 A • at AC-21 A at 440 V rated value 32 A	• at AC-23 A at 690 V	6 000
insulation voltage rated value 690 V surge voltage resistance rated value 6kV operating voltage  • at AC rated value 690 V operating frequency rated value • minimum 50 Hz • maximum 60 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  • at AC-21 at 690 V rated value 32 A • at AC-21 A at 240 V rated value 32 A • at AC-21 A at 440 V rated value 32 A • at AC-21 A at 440 V rated value 32 A • at AC-21 A at 440 V rated value 32 A • at AC-21 A at 440 V rated value 32 A • at AC-21 A at 440 V rated value 32 A • at AC-21 A at 440 V rated value 32 A • at AC-21 A at 440 V rated value 32 A	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 80 Hz  • maximum 1965  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 240 V rated value • at AC-21 A at 440 V rated value	degree of pollution	3
surge voltage resistance rated value operating voltage out at AC rated value operating frequency rated value operating frequency rated value output maximum output	Voltage	
operating voltage	insulation voltage rated value	690 V
at AC rated value operating frequency rated value iminimum 50 Hz on 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	surge voltage resistance rated value	6 kV
operating frequency rated value  • minimum  • maximum  50 Hz  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     maximum     maximum     maximum     maximum     maximum     maximum     maximum  Protection class  protection class IP  degree of protection NEMA rating     maximum	at AC rated value	690 V
● maximum  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 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	operating frequency rated value	
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 400 V rated value • at AC-21 A at 440 V rated value • at AC-21 A at 440 V rated value 32 A • at AC-21 A at 440 V rated value 32 A	• 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  32 A  • at AC-21 A at 440 V rated value  32 A	• 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  32 A  • at AC-21 A at 440 V rated value  32 A	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 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	protection class IP	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 • 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  32 A	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  32 A • at AC-21 A at 440 V rated value 32 A	Dissipation	
operational current  • at AC-21 at 690 V rated value		1.8 W
<ul> <li>at AC-21 at 690 V rated value</li> <li>at AC-21 A at 240 V rated value</li> <li>at AC-21 A at 400 V rated value</li> <li>at AC-21 A at 440 V rated value</li> <li>at AC-21 A at 440 V rated value</li> </ul>	Main circuit	
<ul> <li>at AC-21 A at 240 V rated value</li> <li>at AC-21 A at 400 V rated value</li> <li>at AC-21 A at 440 V rated value</li> <li>32 A</li> <li>32 A</li> </ul>	operational current	
<ul> <li>at AC-21 A at 400 V rated value</li> <li>at AC-21 A at 440 V rated value</li> <li>32 A</li> <li>32 A</li> </ul>	• at AC-21 at 690 V rated value	32 A
• at AC-21 A at 440 V rated value 32 A	• at AC-21 A at 240 V rated value	32 A
	• at AC-21 A at 400 V rated value	32 A
at AC-23 A at 400 V rated value     22 A	• at AC-21 A at 440 V rated value	32 A
	• at AC-23 A at 400 V rated value	22 A

operating power	CHAI
at AC-23 A at 240 V rated value	6 kW
• at AC-23 A at 400 V rated value	12 kW
• at AC-23 A at 440 V rated value	11.5 kW
• at AC-23 A at 690 V rated value	12 kW
• at AC-3 at 240 V rated value	5.5 kW
<ul> <li>at AC-3 at 400 V rated value</li> </ul>	10 kW
at AC-3 at 690 V rated value	9.5 kW
Auxiliary circuit	
number of CO contacts for auxiliary contacts	0
number of NC contacts for auxiliary contacts	0
number of NO contacts for auxiliary contacts	0
operating voltage of auxiliary contacts at AC maximum	500 V
continuous current of the auxiliary contact rated value	10 A
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 can be locked into OFF position	Yes
accessories	
product extension optional	
• motor drive	No
<ul> <li>voltage trigger</li> </ul>	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	3
hasp thickness of the bracket locks	4 8 mm
Short circuit	
conditional short-circuit current with line-side fuse protection	
<ul> <li>at 690 V by gG fuse rated value</li> </ul>	50 kA
let-through current with closed switch	
<ul> <li>at 240 V for combination switch + gG fuse maximum</li> </ul>	4.5 kA
• at 440 V for combination switch + gG fuse maximum	4.5 kA
<ul> <li>at 690 V for combination switch + gG fuse maximum permissible</li> </ul>	5 kA
I2t value with closed switch	
• at 240 V for combination switch + gG fuse maximum	9 kA2.s
• at 440 V for combination switch + gG fuse maximum	9 kA2.s
• at 690 V for combination switch + gG fuse maximum	9 kA2.s
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
operational current of upstream fuse rated value	40 A
according UL	
operational current at AC according to UL 508/UL 60947-4-1 rated value	32 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	20
active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value	20
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	80 A

type of fuse according to UL	RK5
Connections	
AWG number as coded connectable conductor cross section solid maximum	
•	8
•	14
type of connectable conductor cross-sections for copper conductor	
• solid	1x (1,516mm²)
<ul> <li>finely stranded with core end processing</li> </ul>	1x (1,510mm²)
• stranded	1x (1,516mm²)
type of connectable conductor cross-sections for auxiliary contacts	
• solid	lateral auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)
• finely stranded with core end processing	lateral auxiliary switch 2x (0,75 1,5mm²), 1x 2,5mm²; front auxiliary switch 1x 2,5mm²
• stranded	lateral auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)
type of electrical connection	
• for main current circuit	box terminal
<ul> <li>for auxiliary contacts</li> </ul>	connection terminals
Mechanical Design	
height	83 mm
width	67 mm
depth	92.5 mm
type of device	fixed mounting
fastening method	Built-in unit fixed-mounted version
fastening method	
4-hole front mounting	Yes
<ul> <li>front mounting with central attachment</li> </ul>	No
rail mounting	No
net weight	383 g
Environmental conditions	
ambient temperature during operation	
• minimum	-25 °C
• maximum	55 °C
ambient temperature during storage	
• minimum	-25 °C
• maximum	55 °C
Approvals Certificates	
General Product Approval	







Confirmation





Miscellaneous

General Product Approval

Marine / Shipping

other

Environment

EAC





Miscellaneous

Confirmation

Environmental Confirmations

Environment

Environmental Confirmations

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)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3LD2203-3VK53

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

https://support.industry.siemens.com/cs/ww/en/ps/3LD2203-3VK5

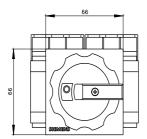
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3LD2203-3VK53">http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3LD2203-3VK53</a>

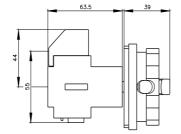
**CAx-Online-Generator** 

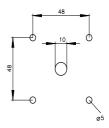
http://www.siemens.com/cax

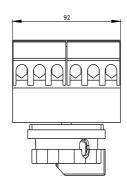
**Tender specifications** 

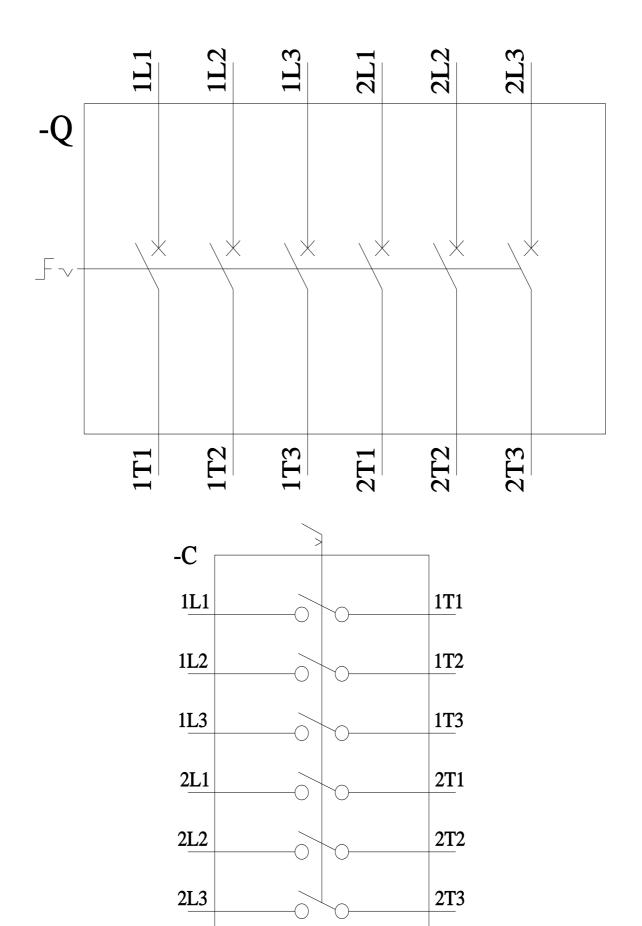
http://www.siemens.com/specifications











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