



Switch disconnecter 63 A, Size 1, 4-pole Front operating mechanism left
Basic unit without handle Box terminal

Model	
product brand name	SENTRON
product designation	3KD switch disconnecter
design of the product	Switch
display version for switch position indicator door-coupling rotary operating mechanism	ON-OFF
design of the actuating element	Without handle
type of the driving mechanism	Front operating mechanism
type of the driving mechanism motor drive	No
General technical data	
number of poles	4
type of device	fixed mounting
size of switch disconnecter	1
mechanical service life (operating cycles) typical	15 000
electrical endurance (operating cycles)	
• at AC-23 A at 690 V	6 000
• at DC-23 A at 440 V	1 500
I ² t value	
• with closed switch at 1000 V for combination switch +gG/aM SITOR fuse maximum	2 331 A ² ·s
• of the fuse at 500 V maximum permissible	26 505 A ² ·s
• of the gG fuse at 690 V maximum permissible	24 005 A ² ·s
• of the gG/aM SITOR fuse at 1000 V maximum permissible	6 000 A ² ·s
• of the molded case circuit breaker at 415 V maximum permissible	480 000 A ² ·s
position of the switch operating mechanism	at the left end
overvoltage in percent relative to the operating voltage at AC at 400, 500, 690 V at 50/60 Hz	10 %
overvoltage category	III
degree of pollution	3
Voltage	
operating voltage with current paths in series	
• with degree of pollution 2 at DC rated value	440 V / 3
• with degree of pollution 3 at DC rated value	440 V / 3
insulation voltage	
• rated value	1 000 V
surge voltage resistance rated value	8 kV
Protection class	
protection class IP	IP20
protection class IP	
• with closed switch with cover or cable lug cover	IP20

- on the front

IP20

Dissipation

power loss [W]

- with conventional rated thermal current per pole
- with conventional rated thermal current per device
- for rated value of the current at AC in hot operating state per pole

1 W
4 W
1 W

Main circuit

operating power

- at AC-23 A at 500 V rated value

operational current rated value

37 kW
63 A

Auxiliary circuit

number of connected NC contacts for auxiliary contacts
number of connected NO contacts for auxiliary contacts
number of connected CO contacts for auxiliary contacts
number of CO contacts for auxiliary contacts
number of NC contacts for auxiliary contacts
number of NO contacts for auxiliary contacts

0
0
0
4
0
0

Suitability

suitability for use

- main switch
- switch disconnector
- EMERGENCY OFF switch
- safety switch
- maintenance/repair switch

Yes
Yes
Yes
Yes
Yes

Product details

product component

- trip indicator
- voltage trigger
- undervoltage release
- undervoltage release with leading contact

product extension auxiliary switch

product extension optional

- motor drive
- voltage trigger

No
No
No
No
Yes
No
No

Short circuit

short-time withstand current (I_{cw}) at 1000 V AC/440 V DC limited to 1 s rated value

short-circuit current making capacity (I_{cm}) for switch disconnector

- at 1000 V AC without fuse link rated value minimum
- at DC 440 V without fuse link rated value minimum
- without fuse link rated value minimum

conditional short-circuit current with line-side fuse protection

- at 415 V by molded case circuit breaker rated value
- at 500 V by gG fuse rated value
- at 690 V by gG fuse rated value

3 kA
7 kA
7 kA
7 kA
36 kA
100 kA
100 kA

Connections

type of connectable conductor cross-sections with flexible busbar

type of connectable conductor cross-sections

- for copper busbar

type of connectable conductor cross-sections for copper conductor

- solid
- finely stranded with core end processing
- stranded

type of electrical connection for main current circuit

2x (0,8x9 mm²)
1 x (2 x 9 mm²)
1x (1 ... 16 mm²)
1x (1 ... 35 mm²)
1x (6 ... 35 mm²)
box terminal

Mechanical Design

height

width

depth

119 mm
112 mm
68 mm

fastening method	Screw fixing and standard rail mounting 35 mm
fastening method	No
• 4-hole front mounting • front mounting with central attachment • rail mounting	No
mounting position	Yes
net weight	any
	978 g

Environmental conditions

ambient temperature during operation	
• minimum • maximum	-25 °C
ambient temperature during storage	70 °C
• minimum • maximum	-50 °C
	80 °C

Certificates

reference code according to IEC 81346-2	Q
---	---

General Product Approval	Declaration of Conformity
--------------------------	---------------------------

[Confirmation](#)



[Miscellaneous](#)



Declaration of Conformity	Marine / Shipping	other	Environment
---------------------------	-------------------	-------	-------------



[Miscellaneous](#)

[Confirmation](#)

[Environmental Confirmations](#)

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)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3KD2640-2ME10-0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3KD2640-2ME10-0>

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

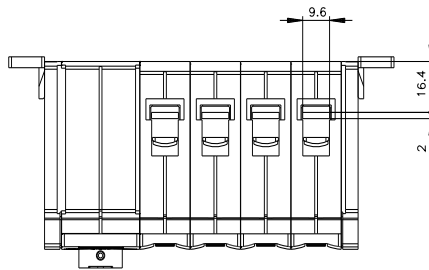
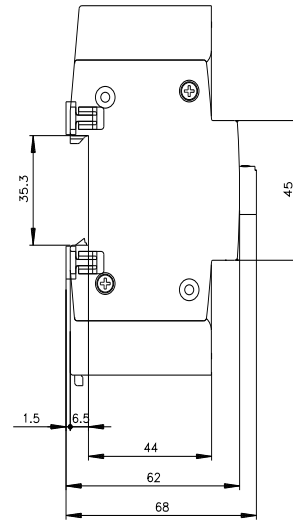
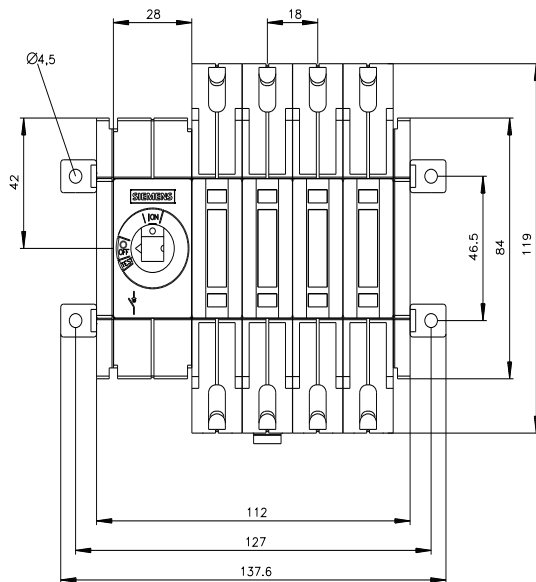
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3KD2640-2ME10-0

CAX-Online-Generator

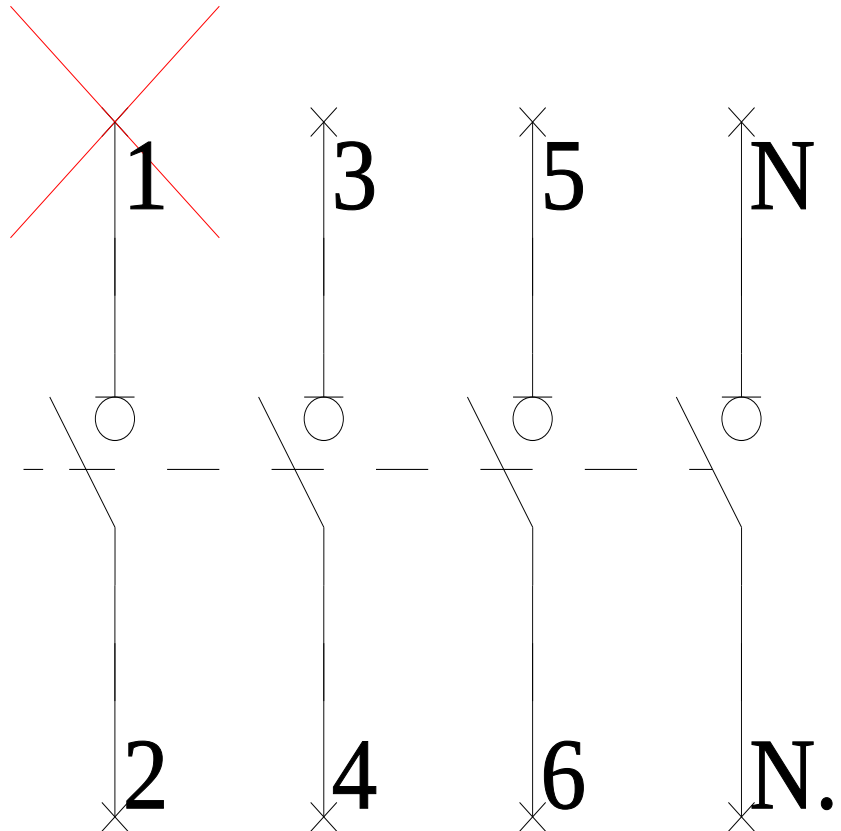
<http://www.siemens.com/cax>

Tender specifications

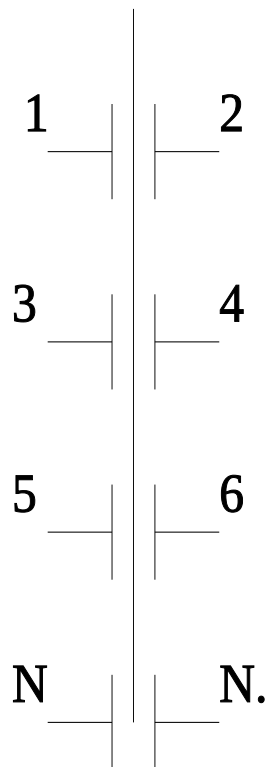
<http://www.siemens.com/specifications>



-Q



-CR



last modified:

3/13/2021 

