SIEMENS

Data sheet 3KD0632-2LG20-3



Switch disconnector 125A, size 02, 3-pole Front operating mechanism center Complete unit with direct operating mechanism gray Box terminal

Model	
product brand name	SENTRON
product designation	3KD switch disconnector
design of the product	Switch
display version for switch position indicator manual operation	O-I
design of the actuating element	Short rotary knob
type of the driving mechanism	Front operating mechanism
type of the driving mechanism motor drive	No
General technical data	
number of poles	3
type of device	fixed mounting
size of switch disconnector	'02
mechanical service life (operating cycles) typical	100 000
electrical endurance (operating cycles)	
• at AC-23 A at 690 V	6 000
12t value	
• of the fuse at 400 V maximum permissible	130 000 A²·s
 of the fuse at 500 V maximum permissible 	130 000 A²·s
 of the gG fuse at 690 V maximum permissible 	130 000 A²-s
position of the switch operating mechanism	central
overvoltage in percent relative to the operating voltage at AC at 400, 500, 690 V at 50/60 Hz	5 %
overvoltage category	III
degree of pollution	3
Voltage	
insulation voltage	
rated value	750 V
surge voltage resistance rated value	8 kV
Protection class	
protection class IP	IP10
protection class IP	
 with closed switch with cover or cable lug cover 	IP10
• on the front	IP40
Dissipation	
power loss [W]	
with conventional rated thermal current per pole	12 W
with conventional rated thermal current per device	12 W
• for rated value of the current at AC in hot operating state per pole	36 W
Main circuit	

operating power	COLINA
at AC-23 A at 500 V rated value	22 kW
operational current rated value	125 A
Auxiliary circuit	
number of connected NC contacts for auxiliary contacts	0
number of connected NO contacts for auxiliary contacts	0
number of connected CO contacts for auxiliary contacts	0
number of CO contacts for auxiliary contacts	0
number of NC contacts for auxiliary contacts	2
number of NO contacts for auxiliary contacts	2
Suitability	
suitability for use	
main switch	Yes
switch disconnector	Yes
 EMERGENCY OFF switch 	No
 safety switch 	Yes
maintenance/repair switch	Yes
Product details	
product component	
• trip indicator	No
 voltage trigger 	No
 undervoltage release 	No
 undervoltage release with leading contact 	No
product extension auxiliary switch	Yes
product extension optional	
 motor drive 	No
 voltage trigger 	No
Short circuit	
short-circuit current making capacity (Icm) for switch	
disconnector	
without fuse link rated value minimum	3.55 kA
conditional short-circuit current with line-side fuse protection	
 at 500 V by gG fuse rated value 	20 kA
at 690 V by gG fuse rated value	20 kA
Connections	
type of connectable conductor cross-sections for copper conductor	
• solid	1 x (4 50) mm ²
 finely stranded with core end processing 	1 x (4 35) mm ²
stranded	1 x (4 50) mm ²
type of electrical connection for main current circuit	box terminal
Mechanical Design	
height	110 mm
width	73 mm
depth	95 mm
fastening method	Screw fixing and standard rail mounting 35 mm
fastening method	
 4-hole front mounting 	No
 front mounting with central attachment 	No
rail mounting	Yes
mounting position	any
net weight	385 g
Environmental conditions	
ambient temperature during operation	
• minimum	-5 °C
• maximum	_ 40 °C
ambient temperature during storage	
• minimum	-25 °C
• maximum	55 °C
Certificates	
reference code according to IEC 81346-2	Q



Confirmation

Miscellaneous







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)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3KD0632-2LG20-3

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

https://support.industry.siemens.com/cs/ww/en/ps/3KD0632-2LG20-3

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

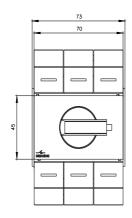
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3KD0632-2LG20-3

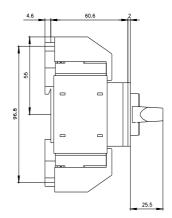
CAx-Online-Generator

http://www.siemens.com/cax

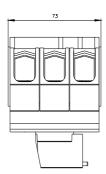
Tender specifications

http://www.siemens.com/specifications









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