

Switch disconnecter 63A, size 01, 3-pole Front operating mechanism center Complete unit with direct operating mechanism red/yellow Box terminal



Model	
product brand name	SETRON
product designation	3KD switch disconnecter
design of the product	Switch
display version / for switch position indicator manual operation	O-I
design of the operating mechanism	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 disconnecter	01
mechanical service life (switching cycles) / typical	100 000
electrical endurance (switching cycles) <ul style="list-style-type: none"> • at AC-23 A / at 690 V 	6 000
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
Supply voltage	
operating current / at AC / rated value	63 A
operating voltage	
• at AC / at 50/60 Hz / rated value	415 V
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	4.5 W
• with conventional rated thermal current / per device	4.5 W
• for rated value of the current / at AC / in hot operating state / per pole	4.5 W
Current	
• operating current / at AC-23 A / at 400 V / rated value	63 A
• operating current / at AC-22 A / at 400 V / rated value	63 A
• operating current / at AC-21 A / at 400 V / rated value	63 A
• operating current / at AC-22 A / at 400 V / at 50/60 Hz / rated value / maximum	63 A
• operating current / at AC-23 A / at 400 V / at 50/60 Hz / rated value / maximum	63 A
continuous current	
• rated value	63 A
continuous current / of upstream fuse / at 500 V and 690 V / rated value	63 A
Main circuit	
operating power	

• at AC-23 A / at 400 V / at 50/60 Hz / rated value	30 kW
operating current / rated value	63 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	No
• switch disconnecter	Yes
• EMERGENCY OFF switch	Yes
• safety switch	Yes
• maintenance/repair switch	Yes
Product details	
product feature / interlock	Yes
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 disconnecter / without fuse link / rated value / minimum	1.78 kA
Connections	
type of connectable conductor cross-sections / for copper conductor	
• solid	1 x (2,5 ... 35) mm ²
• finely stranded / with core end processing	1 x (2,5 ... 16) mm ²
• stranded	1 x (2,5 ... 5) mm ²
type of electrical connection	

- for main current circuit

box terminal

Mechanical Design

height	100 mm
width	63 mm
depth	92 mm
mounting type	Screw fixing and standard rail mounting 35 mm
mounting type	
<ul style="list-style-type: none"> • front mounting with 4-hole attachment 	No
<ul style="list-style-type: none"> • front mounting with central attachment 	No
<ul style="list-style-type: none"> • rail mounting 	Yes
mounting position	any
net weight	295 g

Environmental conditions

ambient temperature / during operation	
<ul style="list-style-type: none"> • minimum 	-5 °C
<ul style="list-style-type: none"> • maximum 	40 °C
ambient temperature / during storage	
<ul style="list-style-type: none"> • minimum 	-25 °C
<ul style="list-style-type: none"> • maximum 	55 °C

Certificates

reference code	
<ul style="list-style-type: none"> • acc. to DIN EN 61346-2 	Q
<ul style="list-style-type: none"> • acc. to DIN EN 81346-2 	Q

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=3KD0333-2KG20-3>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3KD0333-2KG20-3>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3KD0333-2KG20-3

CAX-Online-Generator

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

Tender specifications

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



