## SIEMENS

## Data sheet

## 3KD3230-0NE10-0



Switch disconnector 125 A, Size 2, 3-pole Front operating mechanism left Basic unit without handle flat terminal incl. phase barriers

Model	
product brand name	SENTRON
product designation	3KD switch disconnector
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	3
type of device	fixed mounting
size of switch disconnector	2
mechanical service life (switching cycles) / typical	15 000
electrical endurance (switching cycles)	
• at AC-23 A / at 690 V	1 500
• at DC-23 A / at 440 V	1 000
I2t value	
<ul> <li>with closed switch / at 1000 V / for combination switch +gG/aM SITOR fuse / maximum</li> </ul>	19 815 A <sup>2</sup> ·s
<ul> <li>of the fuse / at 500 V / maximum permissible</li> </ul>	223 005 A <sup>2</sup> ·s
<ul> <li>of the gG fuse / at 690 V / maximum permissible</li> </ul>	226 005 A <sup>2</sup> ·s
<ul> <li>of the gG/aM SITOR fuse / at 1000 V / maximum permissible</li> </ul>	48 000 A <sup>2</sup> ·s
<ul> <li>of the molded case circuit breaker / at 415 V / maximum permissible</li> </ul>	1 750 000 A <sup>2.</sup> 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	
<ul> <li>with degree of pollution 2 / at DC / rated value</li> </ul>	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	IP00

with closed switch / with cover or cable lug cover IP20     is on the front     iso the front     power loss [M]     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 ster / per pole     Current     operating ster / per pole     current         et al 35 °C / rated value         125 A         et al 40 °C / rated value         125 A         et al 50 °C / rated value         125 A         et al 50 °C / rated value         125 A         et al 50 °C / rated value         125 A         et al 50 °C / rated value         125 A         et al 50 °C / rated value         125 A         et al 50 °C / rated value         125 A         et al 50 °C / rated value         125 A         et al 50 °C / rated value         125 A         et al 50 °C / rated value         125 A         et al 50 °C / rated value         125 A         et al 50 °C / rated value         125 A         et al 50 °C / rated value         125 A         et al 50 °C / rated value         125 A         et al 50 °C / rated value         125 A         et al 60 °C / rated value         125 A         et al 60 °C / rated value         125 A         et al 60 °C / rated value         125 A         et al 60 °C / rated value         125 A         et al 60 °C / rated value         125 A         et al 60 °C / rated value         125 A         et al 60 °C / rated value         125 A         et al 60 °C / rated value         125 A         et al 60 °C / rated value         125 A         et al 60 °C / rated value         125 A         et al 60 °C / rated value         125 A         et al 60 °C / rated value         125 A         et al 60 °C / rated value         125 A         et al 60 °C / rated value         125 A         et al 60 °C / rated value         125 A         et al 60 °C / rated value         125 A         et al 60 °C / rated value         125 A         et al 60 °C / rated value         125 A         et al 60 °C / rated value         125 A		
• on the front         IP00           Dissipation	protection class IP	1744
Dissipation         3.2 W           with conventional rated thermal current / per device         9.6 W           • for rated value of the current / at AC / in hot         3.2 W           operating state / per pole         9.6 W           • at 35 °C / rated value         125 A           • at 40 °C / rated value         125 A           • at 45 °C / rated value         125 A           • at 50 °C / rated value         125 A           • at 50 °C / rated value         125 A           • at 50 °C / rated value         125 A           • at 50 °C / rated value         125 A           • at 50 °C / rated value         125 A           • at 50 °C / rated value         125 A           • at 50 °C / rated value         125 A           • at 60 °C / rated value         125 A           • at AC / rated value         125 A           • at AC 23 A / at 500 V / rated value         125 A           • at AC 23 A / at 500 V / rated value         125 A           • at AC 23 A / at 500 V / rated value         125 A           • at AC 22 A / at 500 V / rated value         125 A           • at AC 22 A / at 500 V / rated value         125 A           • at AC 22 A / at 500 V / rated value         125 A           • at AC 24 / at 500 V / rated value         125 A	0	
power loss [M] <ul> <li>with conventional rated thermal current / per pole</li> <li>0.6 W</li> <li>for rated value of the current / at AC / in hot operating state / per pole</li> <li>2.2 W</li> </ul> <li>current</li> <li>operational current</li> <li>at 36 °C / rated value</li> <li>at 40 °C / rated value</li> <li>at 45 °C / rated value</li> <li>at 45 °C / rated value</li> <li>at 55 °C / rated value</li> <li>at 65 °C / rated value</li> <li>at 62 °C / rated va</li>		1900
<ul> <li>with conventional rated thermal current / per pole</li> <li>3.2 W</li> <li>with conventional rated thermal current / per device</li> <li>9.6 W</li> <li>9.6 W</li> <li>9.7 W</li> <li>9.8 W</li></ul>		
with conventional rated thermal current / per device     for rated value of the current / at AC / in hot     operational current  operational current      at 35 °C / rated value     125 A     at 40 °C / rated value     125 A     at 40 °C / rated value     125 A     at 40 °C / rated value     125 A     at 50 °C / rated value     125 A     at 50 °C / rated value     125 A     at 65 °C / rated value     125 A     at 64 °C / rated value     125 A     at 64 °C / rated value     125 A     at 65 °C / rated value     125 A     at 64 °C / rated value     125 A     at AC-23 A / at 690 V / rated value     125 A     at AC-23 A / at 400 V / rated value     125 A     at AC-22 A / at 900 V / rated value     125 A     at AC-22 A / at 400 V / rated value     125 A     at AC-22 A / at 900 V / rated value     125 A     at AC-22 A / at 900 V / rated value     125 A     at AC-22 A / at 900 V / rated value     125 A     at AC-22 A / at 900 V / rated value     125 A     at AC-22 A / at 900 V / rated value     125 A     at AC-22 A / at 900 V / rated value     125 A     at AC-22 A / at 900 V / rated value     125 A     at AC-21 A / at 600 V / rated value     125 A     at AC-21 A / at 600 V / rated value     125 A     at AC-21 A / at 600 V / rated value     125 A     at AC-21 A / at 600 V / rated value     125 A / 1     at DC-20 A / at 1000 V / rated value     125 A / 2     at DC-21 A / at 20 V / rated value     125 A / 3     at DC-22 A / at 400 V / rated value     125 A / 3     at DC-22 A / at 400 V / rated value     125 A / 3     at DC-22 A / at 400 V / rated value     125 A / 3     at DC-22 A / at 400 V / rated value     125 A /		
• or rated value of the current / at AC / in hot operating state / per pole     3.2 W       current     • at 35 °C / rated value     125 A       • at 40 °C / rated value     125 A       • at 40 °C / rated value     125 A       • at 60 °C / rated value     125 A       • at 60 °C / rated value     125 A       • at 60 °C / rated value     125 A       • at 60 °C / rated value     125 A       • at 60 °C / rated value     125 A       • at 60 °C / rated value     125 A       • at 60 °C / rated value     125 A       • at 60 °C / rated value     125 A       • at 60 °C / rated value     125 A       • at 60 °C / rated value     125 A       • at 70 °C / rated value     125 A       • at 70 °C / rated value     125 A       • at AC-23 A / at 690 V / rated value     125 A       • at AC-22 A / at 690 V / rated value     125 A       • at AC-22 A / at 690 V / rated value     125 A       • at AC-22 A / at 690 V / rated value     125 A       • at AC-22 A / at 690 V / rated value     125 A       • at AC-22 A / at 690 V / rated value     125 A       • at AC-22 A / at 690 V / rated value     125 A       • at AC-22 A / at 690 V / rated value     125 A       • at AC-22 A / at 690 V / rated value     125 A       • at AC-22 A / at 690 V / rated value <td></td> <td></td>		
operating state / per pole           Current           operational current           • at 35 °C / rated value         125 A           • at 45 °C / rated value         125 A           • at 45 °C / rated value         125 A           • at 55 °C / rated value         125 A           • at 56 °C / rated value         125 A           • at 65 °C / rated value         125 A           • at 65 °C / rated value         125 A           • at 66 °C / rated value         125 A           • at 60 °C / rated value         125 A           • at 60 °C / rated value         125 A           • at 60 °C / rated value         125 A           • at AC-23 A / at 690 V / rated value         125 A           • at AC-23 A / at 690 V / rated value         125 A           • at AC-22 A / at 1000 V / rated value         125 A           • at AC-22 A / at 690 V / rated value         125 A           • at AC-22 A / at 000 V / rated value         125 A           • at AC-22 A / at 000 V / rated value         125 A           • at AC-22 A / at 690 V / rated value         125 A           • at AC-22 A / at 1000 V / rated value         125 A           • at AC-21 A / at 690 V / rated value         125 A           • at AC-21 A / at 690 V / rated value         125 A		
current       it is		3.2 W
operational current         125 A           eit 40 °C / rated value         125 A           eit 45 °C / rated value         125 A           eit 50 °C / rated value         125 A           eit 60 °C / rated value         125 A           eit 65 °C / rated value         125 A           eit 70 °C / rated value         125 A           eit AC 23 A / at 600 V / rated value         125 A           eit AC-23 A / at 600 V / rated value         125 A           eit AC-23 A / at 600 V / rated value         125 A           eit AC-22 A / at 600 V / rated value         125 A           eit AC-22 A / at 600 V / rated value         125 A           eit AC-22 A / at 600 V / rated value         125 A           eit AC-22 A / at 600 V / rated value         125 A           eit AC-22 A / at 600 V / rated value         125 A           eit AC-22 A / at 600 V / rated value         125 A           eit AC-22 A / at 600 V / rated value         125 A           eit AC-22 A / at 600 V / rated value         125 A           eit AC-22 A / at 600 V / rated value         125 A           eit AC-22 A / at 400 V / rated value		
• at 35 °C / rated value       125 A         • at 40 °C / rated value       125 A         • at 45 °C / rated value       125 A         • at 50 °C / rated value       125 A         • at 60 °C / rated value       125 A         • at 60 °C / rated value       125 A         • at 60 °C / rated value       125 A         • at 60 °C / rated value       125 A         • at 65 °C / rated value       125 A         • at AC / 23 / rat 600 V / rated value       125 A         • at AC / 22 A / rat 600 V / rated value       125 A         • at AC / 22 A / rat 600 V / rated value       125 A         • at AC / 22 A / rat 600 V / rated value       125 A         • at AC / 1 / rated value       125 A         • at AC / 1 / rated value       125 A         • at AC / 21 A / rated value       125 A         • at AC / 21 A / rated value       125 A / 1         • at DC / 23 / rat 400 V / rated value </td <td></td> <td></td>		
• at 40 °C / rated value       125 A         • at 45 °C / rated value       125 A         • at 55 °C / rated value       125 A         • at 65 °C / rated value       125 A         • at 65 °C / rated value       125 A         • at 65 °C / rated value       125 A         • at 65 °C / rated value       125 A         • at 60 °C / rated value       125 A         • at 60 °C / rated value       125 A         • at 60 °C / rated value       125 A         • at 60 °C / rated value       125 A         • at AC-23 A / at 690 V / rated value       125 A         • at AC-23 A / at 690 V / rated value       125 A         • at AC-23 A / at 690 V / rated value       125 A         • at AC-22 A / at 690 V / rated value       125 A         • at AC-22 A / at 690 V / rated value       125 A         • at AC-22 A / at 690 V / rated value       125 A         • at AC-22 A / at 690 V / rated value       125 A         • at AC-22 A / at 690 V / rated value       125 A         • at AC-22 A / at 690 V / rated value       125 A         • at AC-22 A / at 690 V / rated value       125 A         • at AC-22 A / at 690 V / rated value       125 A         • at AC-22 A / at 690 V / rated value       125 A         • at AC-22 A / at 4		125 A
• at 45 °C / rated value       125 A         • at 50 °C / rated value       125 A         • at 60 °C / rated value       125 A         • at 60 °C / rated value       125 A         • at 60 °C / rated value       125 A         • at 70 °C / rated value       125 A         • at 70 °C / rated value       125 A         • at 70 °C / rated value       125 A         • at AC / rated value       125 A         • at AC / rated value       125 A         • at AC-23 / at 400 V / rated value       125 A         • at AC-23 / at 400 V / rated value       125 A         • at AC-22 A / at 500 V / rated value       125 A         • at AC-22 A / at 600 V / rated value       125 A         • at AC-22 A / at 400 V / rated value       125 A         • at AC-22 A / at 1000 V / maximum       125 A         • at AC-22 A / at 1000 V / rated value       125 A         • at AC-22 A / at 1000 V / rated value       125 A         • at AC-22 A / at 1000 V / rated value       125 A         • at AC-23 A / at 40 V / rated value       125 A         • at AC-20 A / at 1000 V / rated value       125 A         • at AC-21 A / at 690 V / rated value       125 A         • at DC-20 A / at 200 V / rated value       105 A / 1         • at DC-23 A		
• at 50 °C / rated value       125 A         • at 55 °C / rated value       125 A         • at 60 °C / rated value       125 A         • at 60 °C / rated value       125 A         • at 70 °C / rated value       125 A         • at 70 °C / rated value       125 A         • at 70 °C / rated value       125 A         • at AC-23 A / at 600 V/ rated value       125 A         • at AC-23 A / at 500 V/ rated value       125 A         • at AC-23 A / at 600 V/ rated value       125 A         • at AC-23 A / at 600 V/ rated value       125 A         • at AC-23 A / at 600 V/ rated value       125 A         • at AC-23 A / at 600 V/ rated value       125 A         • at AC-23 A / at 600 V/ rated value       125 A         • at AC-22 A / at 600 V/ rated value       125 A         • at AC-22 A / at 600 V/ rated value       125 A         • at AC-22 A / at 600 V/ rated value       125 A         • at AC-21 A / at 600 V/ rated value       125 A         • at AC-21 A / at 600 V/ rated value       125 A         • at AC-21 A / at 600 V/ rated value       125 A         • at AC-21 A / at 600 V/ rated value       125 A         • at AC-21 A / at 200 V/ rated value       125 A / 3         • at DC-22 A / at 220 V/ rated value / note       125 A / 3 <td></td> <td></td>		
• at 60 °C / rated value       125 A         • at 65 °C / rated value       125 A         • at 70 °C / rated value       125 A         • at AC -23 A / at 690 V / rated value       125 A         • at AC -23 A / at 690 V / rated value       125 A         • at AC -23 A / at 690 V / rated value       125 A         • at AC -22 A / at 690 V / rated value       125 A         • at AC -22 A / at 690 V / rated value       125 A         • at AC -22 A / at 690 V / rated value       125 A         • at AC -22 A / at 690 V / rated value       125 A         • at AC -22 A / at 690 V / rated value       125 A         • at AC -22 A / at 690 V / rated value       125 A         • at AC -21 A / at 500 V / rated value       125 A         • at AC -21 A / at 500 V / rated value       125 A / 1         • at DC -23 A / at 400 V / rated value / note       125 A / 3         • at DC -23 A / at 20 V / rated value / note       125 A / 3         • at DC -22 A / at 440 V / rated value / note       125 A / 3         • at DC -21 A / at 20 V / rated value / note       125 A / 3         • at DC -21 A / at 440 V / rated value / note       125 A / 3		
• at 65 °C / rated value       125 A         • at 70 °C / rated value       125 A         • at AC / rated value       125 A         • at AC-23 A / at 690 V / rated value       125 A         • at AC-23 A / at 690 V / rated value       125 A         • at AC-23 A / at 690 V / rated value       125 A         • at AC-23 A / at 690 V / rated value       125 A         • at AC-22 A / at 690 V / rated value       125 A         • at AC-22 A / at 690 V / rated value       125 A         • at AC-22 A / at 690 V / rated value       125 A         • at AC-22 A / at 690 V / rated value       125 A         • at AC-22 A / at 690 V / rated value       125 A         • at AC-21 A / at 690 V / rated value       125 A         • at AC-21 A / at 690 V / rated value       125 A         • at AC-21 A / at 690 V / rated value       125 A         • at AC-21 A / at 690 V / rated value       125 A         • at DC-23 A / at 200 V / rated value / note       125 A / 3         • at DC-23 A / at 200 V / rated value / note       125 A / 3         • at DC-21 A / at 400 V / rated value / note       125 A / 3         • at DC-21 A / at 200 V / rated value / note       125 A / 3         • at DC-21 A / at 200 V / rated value / note       125 A / 2         • at DC-21 B / at 750 V / rated value / note	• at 55 °C / rated value	125 A
• at 70 °C / rated value       125 A         • at AC / rated value       125 A         • at AC-23 A / at 600 V / rated value       125 A         • at AC-23 A / at 600 V / rated value       125 A         • at AC-23 A / at 600 V / rated value       125 A         • at AC-23 A / at 600 V / rated value       125 A         • at AC-22 A / at 600 V / rated value       125 A         • at AC-22 A / at 600 V / rated value       125 A         • at AC-22 A / at 600 V / rated value       125 A         • at AC-22 A / at 600 V / rated value       125 A         • at AC-22 A / at 600 V / rated value       125 A         • at AC-22 A / at 600 V / rated value       125 A         • at AC-21 A / at 600 V / rated value       125 A         • at AC-21 A / at 600 V / rated value       125 A         • at DC-21 A / at 400 V / rated value       125 A / 1         • at DC-23 A / at 400 V / rated value / note       125 A / 3         • at DC-22 A / at 400 V / rated value / note       125 A / 3         • at DC-22 A / at 400 V / rated value / note       125 A / 3         • at DC-22 A / at 400 V / rated value / note       125 A / 3         • at DC-21 A / at 400 V / rated value       125 A / 3         • at DC-21 A / at 400 V / rated value       125 A / 3         • at DC-21 B / at 750 V / rated val	• at 60 °C / rated value	125 A
• at AC / rated value125 A• at AC-23 A / at 500 V / rated value125 A• at AC-23 A / at 500 V / rated value125 A• at AC-23 A / at 400 V / rated value125 A• at AC-22 A / at 1000 V / maximum125 A• at AC-22 A / at 600 V / rated value125 A• at AC-22 A / at 600 V / rated value125 A• at AC-22 A / at 1000 V / maximum125 A• at AC-22 A / at 400 V / rated value125 A• at AC-22 A / at 1000 V / maximum125 A• at AC-20 A / at 1000 V / maximum125 A• at AC-21 A / at 500 V / rated value125 A• at AC-21 A / at 690 V / rated value125 A• at AC-21 A / at 690 V / rated value125 A• at AC-21 A / at 690 V / rated value125 A• at DC-23 A / at 200 V / rated value / note125 A / 1• at DC-23 A / at 220 V / rated value / note125 A / 2• at DC-22 A / at 220 V / rated value / note125 A / 2• at DC-22 A / at 220 V / rated value / note125 A / 2• at DC-21 A / at 440 V / rated value / note125 A / 2• at DC-21 A / at 420 V / rated value / note125 A / 2• at DC-21 B / at 750 V / rated value / note125 A / 3• at DC-21 B / at 750 V / rated value / maximum250 Acontinuous current / of upstream fuse / at 500 V and 690 V250 A/ rated value250 Acontinuous current / of upstream molded case circuit250 A/ breaker / at 415 V / rated value250 A/ continuous current / of upstream molded case circuit250 A/ breaker / a	• at 65 °C / rated value	125 A
• at AC-23 A / at 690 V / rated value125 A• at AC-23 A / at 400 V / rated value125 A• at AC-23 A / at 400 V / rated value125 A• at AC-22 A / at 1000 V / maximum125 A• at AC-22 A / at 690 V / rated value125 A• at AC-22 A / at 600 V / rated value125 A• at AC-22 A / at 600 V / rated value125 A• at AC-22 A / at 600 V / rated value125 A• at AC-22 A / at 600 V / rated value125 A• at AC-20 A / at 1000 V / maximum125 A• at AC-21 A / at 500 V / rated value125 A• at AC-21 A / at 690 V / rated value125 A• at AC-21 A / at 690 V / rated value125 A• at DC-20 A / at 1000 V / maximum125 A / 1• at DC-23 A / at 440 V / rated value / note125 A / 2• at DC-22 A / at 440 V / rated value / note125 A / 2• at DC-22 A / at 440 V / rated value / note125 A / 3• at DC-22 A / at 440 V / rated value / note125 A / 3• at DC-22 A / at 440 V / rated value / note125 A / 3• at DC-22 A / at 440 V / rated value / note125 A / 3• at DC-21 A / at 220 V / rated value / note125 A / 3• at DC-21 A / at 220 V / rated value / note125 A / 3• at DC-21 A / at 440 V / rated value / note125 A / 3• at DC-21 A / at 420 V / rated value / note125 A / 3• at DC-21 A / at 220 V / rated value / note125 A / 3• at DC-21 B / at 750 V / rated value / note125 A / 3• at DC-21 B / at 750 V / rated value / note250 Acontinuous current / of upstream	• at 70 °C / rated value	125 A
• at AC-23 A / at 500 V / rated value125 A• at AC-23 A / at 400 V / rated value125 A• at AC-22 A / at 1000 V / maximum125 A• at AC-22 A / at 690 V / rated value125 A• at AC-22 A / at 500 V / rated value125 A• at AC-24 A / at 690 V / rated value125 A• at AC-20 A / at 1000 V / maximum125 A• at AC-20 A / at 1000 V / maximum125 A• at AC-21 A / at 500 V / rated value125 A• at AC-21 A / at 690 V / rated value125 A• at AC-21 A / at 690 V / rated value125 A• at AC-21 A / at 690 V / rated value125 A• at DC-20 A / at 1000 V / maximum125 A / 1• at DC-23 A / at 440 V / rated value / note125 A / 3• at DC-23 A / at 440 V / rated value / note125 A / 3• at DC-22 A / at 440 V / rated value / note125 A / 3• at DC-22 A / at 440 V / rated value / note125 A / 3• at DC-22 A / at 440 V / rated value / note125 A / 3• at DC-21 A / at 440 V / rated value / note125 A / 3• at DC-21 A / at 440 V / rated value / note125 A / 3• at DC-21 A / at 440 V / rated value / note125 A / 3• at DC-21 B / at 750 V / rated value / maximum125 A / 3• at DC-21 B / at 750 V / rated value / maximum125 A / 3• at DC-21 B / at 750 V / rated value / maximum250 A/ rated value250 A/ rated value250 A/ rated value200 A/ rated value250 A/ rated value125 A/ let-through current / of upst	• at AC / rated value	125 A
<ul> <li>at AC-23 A / at 400 V / rated value</li> <li>at AC-22 A / at 1000 V / maximum</li> <li>125 A</li> <li>at AC-22 A / at 690 V / rated value</li> <li>125 A</li> <li>at AC-22 A / at 500 V / rated value</li> <li>125 A</li> <li>at AC-22 A / at 400 V / rated value</li> <li>125 A</li> <li>at AC-20 A / at 1000 V / maximum</li> <li>125 A</li> <li>at AC-20 A / at 1000 V / maximum</li> <li>125 A</li> <li>at AC-21 A / at 500 V / rated value</li> <li>125 A</li> <li>at AC-21 A / at 500 V / rated value</li> <li>125 A</li> <li>at AC-21 A / at 690 V / rated value</li> <li>125 A</li> <li>at AC-21 A / at 690 V / rated value</li> <li>125 A</li> <li>at AC-21 A / at 690 V / rated value</li> <li>125 A</li> <li>at AC-21 A / at 690 V / rated value</li> <li>125 A</li> <li>at DC-23 A / at 440 V / rated value / note</li> <li>125 A / 3</li> <li>at DC-23 A / at 440 V / rated value / note</li> <li>125 A / 3</li> <li>at DC-24 A / at 40 V / rated value / note</li> <li>125 A / 3</li> <li>at DC-21 A / at 420 V / rated value / note</li> <li>125 A / 3</li> <li>at DC-21 A / at 420 V / rated value / note</li> <li>125 A / 3</li> <li>at DC-21 A / at 420 V / rated value / note</li> <li>125 A / 3</li> <li>at DC-21 A / at 220 V / rated value / maximum</li> <li>125 A / 3</li> <li>at DC-21 A / at 220 V / rated value / maximum</li> <li>125 A / 3</li> <li>at DC-21 A / at 220 V / rated value / maximum</li> <li>125 A / 3</li> <li>at DC-21 A / at 220 V / rated value / maximum</li> <li>125 A / 3</li> <li>continuous current / of upstream fuse / at 500 V and 690 V</li> <li>/ rated value</li> <li>continuous current / of upstream fuse / at 500 V / rated</li> <li>250 A</li> <li>continuous current / of upstream fuse / at 500 V / maximum</li> <li>2570 A</li> <li>let-through current / of the fuse / at 500 V / maximum</li> <li>25700 A</li> <li>let-through current / of the G fuse / at 690 V / maximum</li> <li>29 500 A</li> </ul>	• at AC-23 A / at 690 V / rated value	125 A
<ul> <li>at AC-22 A / at 1000 V / maximum</li> <li>125 A</li> <li>at AC-22 A / at 690 V / rated value</li> <li>125 A</li> <li>at AC-22 A / at 500 V / rated value</li> <li>125 A</li> <li>at AC-22 A / at 400 V / rated value</li> <li>125 A</li> <li>at AC-22 A / at 1000 V / maximum</li> <li>125 A</li> <li>at AC-22 A / at 500 V / rated value</li> <li>125 A</li> <li>at AC-21 A / at 500 V / rated value</li> <li>125 A</li> <li>at AC-21 A / at 690 V / rated value</li> <li>125 A</li> <li>at AC-21 A / at 690 V / rated value</li> <li>125 A</li> <li>at AC-21 A / at 690 V / rated value</li> <li>125 A</li> <li>at DC-20 A / at 1000 V / maximum</li> <li>125 A / 1</li> <li>at DC-23 A / at 440 V / rated value / note</li> <li>125 A / 2</li> <li>at DC-23 A / at 420 V / rated value / note</li> <li>125 A / 2</li> <li>at DC-22 A / at 420 V / rated value / note</li> <li>125 A / 3</li> <li>at DC-22 A / at 420 V / rated value / note</li> <li>125 A / 3</li> <li>at DC-21 A / at 420 V / rated value / note</li> <li>125 A / 3</li> <li>at DC-21 A / at 420 V / rated value / note</li> <li>125 A / 3</li> <li>at DC-21 B / at 750 V / rated value / maximum</li> <li>125 A / 3</li> <li>at DC-21 B / at 750 V / rated value / maximum</li> <li>125 A / 3</li> <li>at DC-21 B / at 750 V / rated value / maximum</li> <li>250 A</li> <li>continuous current / of upstream fuse / at 1000 V / rated</li> <li>250 A</li> <li>continuous current / of upstream fuse / at 1000 V / rated</li> <li>250 A</li> <li>continuous current / of upstream molded case circuit</li> <li>breaker / at 415 V / rated value</li> <li>250 A</li> <li>let-through current / of the fuse / at 500 V / maximum</li> <li>25 700 A</li> <li>let-through current / of the gG fuse / at 690 V / maximum</li> <li>29 500 A</li> </ul>	<ul> <li>at AC-23 A / at 500 V / rated value</li> </ul>	125 A
e at AC-22 A / at 690 V / rated value125 Ae at AC-22 A / at 500 V / rated value125 Ae at AC-22 A / at 400 V / rated value125 Ae at AC-20 A / at 1000 V / maximum125 Ae at AC-21 A / at 690 V / rated value125 Ae at AC-21 A / at 690 V / rated value125 Ae at DC-20 A / at 1000 V / maximum125 A / 1e at DC-20 A / at 1000 V / maximum125 A / 1e at DC-23 A / at 200 V / rated value / note125 A / 3e at DC-22 A / at 440 V / rated value / note125 A / 3e at DC-22 A / at 220 V / rated value / note125 A / 3e at DC-22 A / at 220 V / rated value / note125 A / 3e at DC-21 A / at 420 V / rated value / note125 A / 3e at DC-21 A / at 420 V / rated value / note125 A / 3e at DC-21 A / at 220 V / rated value / note125 A / 3e at DC-21 A / at 220 V / rated value / note125 A / 3e at DC-21 A / at 220 V / rated value / note125 A / 3continuous current / of upstream fuse / at 500 V and 690 V250 A/ rated value250 Acontinuous current / of upstream moled case circuit200 Abreaker / at 415 V / rated value125 Alet-through current / of the fuse / at 500 V / maximum25 700 Alet-through current / of the fuse / at 690 V / maximum25 700 A	<ul> <li>at AC-23 A / at 400 V / rated value</li> </ul>	125 A
<ul> <li>at AC-22 A / at 500 V / rated value</li> <li>at AC-22 A / at 400 V / rated value</li> <li>125 A</li> <li>at AC-20 A / at 1000 V / maximum</li> <li>125 A</li> <li>at AC-21 A / at 500 V / rated value</li> <li>125 A</li> <li>at AC-21 A / at 690 V / rated value</li> <li>125 A</li> <li>at AC-21 A / at 690 V / rated value</li> <li>125 A</li> <li>at AC-21 A / at 690 V / rated value</li> <li>125 A</li> <li>at DC-20 A / at 1000 V / maximum</li> <li>125 A / 1</li> <li>at DC-23 A / at 440 V / rated value / note</li> <li>125 A / 3</li> <li>at DC-22 A / at 220 V / rated value / note</li> <li>125 A / 3</li> <li>at DC-22 A / at 220 V / rated value / note</li> <li>125 A / 3</li> <li>at DC-21 A / at 220 V / rated value / note</li> <li>125 A / 3</li> <li>at DC-21 A / at 220 V / rated value / note</li> <li>125 A / 3</li> <li>at DC-21 B / at 750 V / rated value / maximum</li> <li>125 A / 3</li> <li>continuous current / of upstream fuse / at 500 V and 690 V</li> <li>/rated value</li> <li>continuous current / of upstream molded case circuit</li> <li>breaker / at 415 V / rated value</li> <li>250 A</li> <li>continuous current / of the fuse / at 1000 V / rated</li> <li>250 A</li> <li>continuous current / of the fuse / at 500 V / maximum</li> <li>257 00 A</li> <li>let-through current / of the fuse / at 690 V / maximum</li> <li>29 500 A</li> </ul>	<ul> <li>at AC-22 A / at 1000 V / maximum</li> </ul>	125 A
<ul> <li>at AC-22 A / at 400 V / rated value</li> <li>at AC-20 A / at 1000 V / maximum</li> <li>125 A</li> <li>at AC-21 A / at 500 V / rated value</li> <li>125 A</li> <li>at AC-21 A / at 690 V / rated value</li> <li>125 A</li> <li>at DC-20 A / at 1000 V / maximum</li> <li>125 A / 1</li> <li>at DC-23 A / at 440 V / rated value / note</li> <li>125 A / 3</li> <li>at DC-22 A / at 440 V / rated value / note</li> <li>125 A / 3</li> <li>at DC-22 A / at 440 V / rated value / note</li> <li>125 A / 3</li> <li>at DC-22 A / at 440 V / rated value / note</li> <li>125 A / 3</li> <li>at DC-22 A / at 440 V / rated value / note</li> <li>125 A / 3</li> <li>at DC-22 A / at 440 V / rated value / note</li> <li>125 A / 2</li> <li>at DC-21 A / at 440 V / rated value / note</li> <li>125 A / 3</li> <li>at DC-21 A / at 440 V / rated value / note</li> <li>125 A / 3</li> <li>at DC-21 B / at 750 V / rated value / maximum</li> <li>125 A / 3</li> <li>continuous current / of upstream fuse / at 1000 V / rated</li> <li>250 A</li> <li>continuous current / of upstream fuse / at 1000 V / rated</li> <li>250 A</li> <li>continuous current / of upstream molded case circuit</li> <li>breaker / at 415 V / rated value</li> <li>125 A</li> <li>125 A</li> <li>125 A</li> <li>125 A</li> <li>250 A</li> <li>250</li></ul>	<ul> <li>at AC-22 A / at 690 V / rated value</li> </ul>	125 A
et AC-20 A / at 1000 V / maximum125 Aet AC-21 A / at 500 V / rated value125 Aet AC-21 A / at 690 V / rated value125 Aet AC-21 A / at 690 V / rated value125 Aet DC-20 A / at 1000 V / maximum125 A / 1et DC-23 A / at 440 V / rated value / note125 A / 3et DC-23 A / at 220 V / rated value / note125 A / 2et DC-22 A / at 440 V / rated value / note125 A / 2et DC-22 A / at 220 V / rated value / note125 A / 2et DC-21 A / at 220 V / rated value / note125 A / 2et DC-21 A / at 220 V / rated value / note125 A / 2et DC-21 A / at 220 V / rated value / note125 A / 2et DC-21 B / at 750 V / rated value / maximum125 A / 3continuous current / of upstream fuse / at 500 V and 690 V250 A/ rated value250 Acontinuous current / of upstream molded case circuit200 Abreaker / at 415 V / rated value125 Aet-through current / of the fuse / at 500 V / maximum25 700 Alet-through current / of the G fuse / at 690 V / maximum29 500 A	<ul> <li>at AC-22 A / at 500 V / rated value</li> </ul>	125 A
et t AC-21 A / at 500 V / rated value125 Aet AC-21 A / at 690 V / raximum125 Aet DC-20 A / at 1000 V / maximum125 A / 1et DC-23 A / at 440 V / rated value / note125 A / 3et DC-23 A / at 220 V / rated value / note125 A / 2et DC-22 A / at 420 V / rated value / note125 A / 3et DC-22 A / at 420 V / rated value / note125 A / 2et DC-22 A / at 220 V / rated value / note125 A / 2et DC-21 A / at 220 V / rated value / note125 A / 2et DC-21 A / at 420 V / rated value / note125 A / 2et DC-21 B / at 750 V / rated value125 A / 2et DC-21 B / at 750 V / rated value / maximum125 A / 3continuous current / of upstream fuse / at 500 V and 690 V250 Avalue250 Acontinuous current / of upstream fuse / at 1000 V / rated200 Aperational current / at DC / rated value125 Alet-through current / of the fuse / at 500 V / maximum25 700 Alet-through current / of the G fuse / at 690 V / maximum29 500 A	<ul> <li>at AC-22 A / at 400 V / rated value</li> </ul>	125 A
<ul> <li>at AC-21 A / at 690 V / rated value</li> <li>at DC-20 A / at 1000 V / maximum</li> <li>125 A / 1</li> <li>at DC-23 A / at 440 V / rated value / note</li> <li>125 A / 3</li> <li>at DC-23 A / at 220 V / rated value / note</li> <li>125 A / 2</li> <li>at DC-22 A / at 440 V / rated value / note</li> <li>125 A / 3</li> <li>at DC-22 A / at 220 V / rated value / note</li> <li>125 A / 2</li> <li>at DC-21 A / at 440 V / rated value / note</li> <li>125 A / 2</li> <li>at DC-21 A / at 440 V / rated value / note</li> <li>125 A / 3</li> <li>at DC-21 A / at 440 V / rated value / note</li> <li>125 A / 3</li> <li>at DC-21 A / at 220 V / rated value / note</li> <li>125 A / 3</li> <li>at DC-21 B / at 750 V / rated value / maximum</li> <li>125 A / 3</li> <li>continuous current / of upstream fuse / at 500 V and 690 V</li> <li>/rated value</li> <li>continuous current / of upstream fuse / at 1000 V / rated</li> <li>value</li> <li>continuous current / of upstream molded case circuit</li> <li>preaker / at 415 V / rated value</li> <li>125 A</li> <li>200 A</li> <li>permissible</li> <li>let-through current / of the fuse / at 500 V / maximum</li> <li>25 700 A</li> </ul>	<ul> <li>at AC-20 A / at 1000 V / maximum</li> </ul>	125 A
<ul> <li>at DC-20 A/ at 1000 V / maximum</li> <li>125 A / 1</li> <li>at DC-23 A/ at 440 V / rated value / note</li> <li>125 A / 3</li> <li>at DC-23 A/ at 220 V / rated value / note</li> <li>125 A / 2</li> <li>at DC-22 A/ at 440 V / rated value / note</li> <li>125 A / 3</li> <li>at DC-22 A/ at 220 V / rated value / note</li> <li>125 A / 2</li> <li>at DC-21 A/ at 440 V / rated value / note</li> <li>125 A / 3</li> <li>at DC-21 A/ at 220 V / rated value / note</li> <li>125 A / 3</li> <li>at DC-21 A/ at 220 V / rated value / note</li> <li>125 A / 3</li> <li>at DC-21 A/ at 220 V / rated value / maximum</li> <li>125 A / 3</li> <li>continuous current / of upstream fuse / at 500 V and 690 V</li> <li>continuous current / of upstream fuse / at 1000 V / rated value</li> <li>continuous current / of upstream molded case circuit breaker / at 415 V / rated value</li> <li>200 A</li> <li>continuous current / at DC / rated value</li> <li>125 A</li> <li>let-through current / of the fuse / at 690 V / maximum</li> <li>25 700 A</li> </ul>	<ul> <li>at AC-21 A / at 500 V / rated value</li> </ul>	125 A
<ul> <li>at DC-23 A / at 440 V / rated value / note</li> <li>at DC-23 A / at 220 V / rated value / note</li> <li>at DC-22 A / at 220 V / rated value / note</li> <li>125 A / 3</li> <li>at DC-22 A / at 220 V / rated value / note</li> <li>125 A / 3</li> <li>at DC-21 A / at 440 V / rated value / note</li> <li>125 A / 2</li> <li>at DC-21 A / at 440 V / rated value / note</li> <li>125 A / 3</li> <li>at DC-21 A / at 220 V / rated value / note</li> <li>125 A / 3</li> <li>at DC-21 A / at 220 V / rated value</li> <li>125 A / 2</li> <li>at DC-21 B / at 750 V / rated value / maximum</li> <li>125 A / 3</li> <li>continuous current / of upstream fuse / at 500 V and 690 V</li> <li>continuous current / of upstream fuse / at 1000 V / rated</li> <li>continuous current / of upstream molded case circuit</li> <li>breaker / at 415 V / rated value</li> <li>125 A</li> <li>200 A</li> <li>continuous current / of the fuse / at 500 V / maximum</li> <li>25 700 A</li> <li>let-through current / of the gG fuse / at 690 V / maximum</li> <li>29 500 A</li> </ul>		
<ul> <li>at DC-23 A / at 220 V / rated value / note</li> <li>at DC-22 A / at 440 V / rated value / note</li> <li>at DC-22 A / at 220 V / rated value / note</li> <li>at DC-22 A / at 220 V / rated value / note</li> <li>at DC-21 A / at 440 V / rated value / note</li> <li>at DC-21 A / at 440 V / rated value / note</li> <li>at DC-21 A / at 220 V / rated value</li> <li>at DC-21 B / at 750 V / rated value</li> <li>at DC-21 B / at 750 V / rated value / maximum</li> <li>125 A / 3</li> <li>continuous current / of upstream fuse / at 500 V and 690 V / rated value</li> <li>continuous current / of upstream fuse / at 1000 V / rated value</li> <li>continuous current / of upstream molded case circuit</li> <li>preaker / at 415 V / rated value</li> <li>125 A</li> <li>let-through current / of the fuse / at 500 V / maximum</li> <li>25 700 A</li> </ul>		
<ul> <li>at DC-22 A / at 440 V / rated value / note</li> <li>at DC-22 A / at 220 V / rated value / note</li> <li>at DC-21 A / at 220 V / rated value / note</li> <li>at DC-21 A / at 440 V / rated value / note</li> <li>at DC-21 A / at 220 V / rated value</li> <li>at DC-21 B / at 750 V / rated value</li> <li>at DC-21 B / at 750 V / rated value / maximum</li> <li>125 A / 3</li> <li>continuous current / of upstream fuse / at 500 V and 690 V</li> <li>continuous current / of upstream fuse / at 1000 V / rated</li> <li>continuous current / of upstream fuse / at 1000 V / rated</li> <li>continuous current / of upstream molded case circuit</li> <li>breaker / at 415 V / rated value</li> <li>coperational current / at DC / rated value</li> <li>let-through current / of the fuse / at 690 V / maximum</li> <li>29 500 A</li> </ul>		
<ul> <li>at DC-22 A / at 220 V / rated value / note</li> <li>at DC-21 A / at 440 V / rated value / note</li> <li>125 A / 2</li> <li>at DC-21 A / at 220 V / rated value</li> <li>125 A / 2</li> <li>at DC-21 B / at 750 V / rated value / maximum</li> <li>125 A / 3</li> <li>continuous current / of upstream fuse / at 500 V and 690 V</li> <li>continuous current / of upstream fuse / at 500 V and 690 V</li> <li>continuous current / of upstream fuse / at 1000 V / rated value</li> <li>continuous current / of upstream molded case circuit</li> <li>breaker / at 415 V / rated value</li> <li>operational current / at DC / rated value</li> <li>let-through current / of the fuse / at 500 V / maximum</li> <li>25 700 A</li> <li>2500 A</li> </ul>		
<ul> <li>at DC-21 A / at 440 V / rated value / note</li> <li>at DC-21 A / at 220 V / rated value</li> <li>at DC-21 B / at 220 V / rated value / maximum</li> <li>125 A / 2</li> <li>at DC-21 B / at 750 V / rated value / maximum</li> <li>125 A / 3</li> </ul> continuous current / of upstream fuse / at 500 V and 690 V / rated value continuous current / of upstream fuse / at 1000 V / rated value continuous current / of upstream molded case circuit breaker / at 415 V / rated value operational current / at DC / rated value 125 A 200 A 200 A 200 A let-through current / of the fuse / at 500 V / maximum 257 00 A 29 500 A		
<ul> <li>at DC-21 A / at 220 V / rated value</li> <li>at DC-21 B / at 750 V / rated value / maximum</li> <li>125 A / 2</li> <li>at DC-21 B / at 750 V / rated value / maximum</li> <li>125 A / 3</li> <li>continuous current / of upstream fuse / at 500 V and 690 V</li> <li>/ rated value</li> <li>continuous current / of upstream fuse / at 1000 V / rated value</li> <li>continuous current / of upstream molded case circuit</li> <li>continuous current / of upstream molded case circuit</li> <li>breaker / at 415 V / rated value</li> <li>operational current / at DC / rated value</li> <li>let-through current / of the fuse / at 690 V / maximum</li> <li>let-through current / of the gG fuse / at 690 V / maximum</li> <li>29 500 A</li> </ul>		
• at DC-21 B / at 750 V / rated value / maximum125 A / 3continuous current / of upstream fuse / at 500 V and 690 V / rated value250 Acontinuous current / of upstream fuse / at 1000 V / rated value250 Acontinuous current / of upstream molded case circuit breaker / at 415 V / rated value200 Aoperational current / at DC / rated value125 Alet-through current / of the fuse / at 500 V / maximum 		
continuous current / of upstream fuse / at 500 V and 690 V / rated value250 Acontinuous current / of upstream fuse / at 1000 V / rated value250 Acontinuous current / of upstream molded case circuit breaker / at 415 V / rated value200 Aoperational current / at DC / rated value125 Alet-through current / of the fuse / at 500 V / maximum permissible25 700 Alet-through current / of the gG fuse / at 690 V / maximum29 500 A		
/ rated value		
value       continuous current / of upstream molded case circuit       200 A         breaker / at 415 V / rated value       200 A         operational current / at DC / rated value       125 A         let-through current / of the fuse / at 500 V / maximum permissible       25 700 A         let-through current / of the gG fuse / at 690 V / maximum       29 500 A	1	200 A
breaker / at 415 V / rated value       125 A         operational current / at DC / rated value       125 A         let-through current / of the fuse / at 500 V / maximum       25 700 A         permissible       29 500 A		250 A
let-through current / of the fuse / at 500 V / maximum       25 700 A         permissible       29 500 A		200 A
permissible     29 500 A	operational current / at DC / rated value	125 A
		25 700 A
permissible	let-through current / of the gG fuse / at 690 V / maximum permissible	29 500 A
let-through current / of the aM fuse / at 690 V / maximum 32 900 A 92 900 A		32 900 A
let-through current / of the gG/aM SITOR fuse / at 1000 V 12 500 A / maximum permissible	/ maximum permissible	12 500 A
let-through current / of the molded case circuit breaker / at       28 000 A         415 V / maximum permissible       28 000 A	415 V / maximum permissible	28 000 A
short-time withstand current (lcw)         • at 400 V AC / limited to 0.15 s / rated value         15 kA		15 kA
Main circuit	Main circuit	
operating power	operating power	
at AC-23 A / at 500 V / rated value     75 kW		75 kW
operational current / rated value 125 A	operational current / rated value	125 A
Auxiliary circuit	Auxiliary circuit	

number of connected NC contacts / for auxiliany contacts	0
number of connected NC contacts / for auxiliary contacts	0
number of connected NO contacts / for auxiliary contacts number of connected CO contacts / for auxiliary contacts	0
number of CO contacts / for auxiliary contacts	4
number of NC contacts / for auxiliary contacts	0
number of NO contacts / for auxiliary contacts	0
Suitability	
suitability for use	
main switch	Yes
switch disconnector	Yes
EMERGENCY OFF switch	Yes
<ul> <li>safety switch</li> </ul>	Yes
maintenance/repair switch	Yes
Product details	
product feature / interlock	No
product component	
trip indicator	No
<ul> <li>voltage trigger</li> </ul>	No
<ul> <li>undervoltage release</li> </ul>	No
<ul> <li>undervoltage release with leading contact</li> </ul>	No
product extension / auxiliary switch	Yes
product extension / optional	
motor drive	No
voltage trigger	No
Short circuit	
short-time withstand current (Icw) / at 1000 V AC/440 V DC / limited to 1 s / rated value	4 kA
short-circuit current making capacity (lcm) / for switch disconnector	
<ul> <li>at 400 V AC / without fuse link / rated value / minimum</li> </ul>	30 kA
at 1000 V AC / without fuse link / rated value / minimum	12 kA
at DC 440 V / without fuse link / rated value / minimum	12 kA
without fuse link / rated value / minimum	12 kA
conditional short-circuit current / with line-side fuse protection	
at 415 V / by molded case circuit breaker / rated value	65 kA
<ul> <li>at 500 V / by gG fuse / rated value</li> </ul>	100 kA
at 690 V / by gG fuse / rated value	100 kA
Connections	
type of connectable conductor cross-sections / for aluminum conductor	
stranded / with lug	1x (10 70 mm²)
type of connectable conductor cross-sections	
• for copper busbar	'1x (20x3 mm²)
type of connectable conductor cross-sections / for copper conductor	
stranded / with lug / acc. to DIN 46235	1x (25 70 mm²), 2x (25 50 mm²)
type of electrical connection / for main current circuit	flat connector
Mechanical Design	100
height	168 mm
width	121 mm 68 mm
depth	Screw fixing and standard rail mounting 35 mm
fastening method	
4-hole front mounting	No
<ul> <li>front mounting with central attachment</li> </ul>	No
rail mounting	Yes
mounting position	any

net weight			1 050 g				
Environmental condition	ons						
ambient temperature / o	during operation						
<ul> <li>minimum</li> </ul>			-25 °C				
maximum			70 °C				
ambient temperature / o	during storage						
<ul> <li>minimum</li> </ul>			-50 °C				
<ul> <li>maximum</li> </ul>			80 °C				
General Product App	roval				Declaration of Co	Declaration of Conformity	
CCC	VDE	Miscellane	<u>JUS</u>	EHC	CE EG-Konf.	<u>UK Declaration of</u> <u>Conformity</u>	
Marine / Shipping		other					

## 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=3KD3230-0NE10-0

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

https://support.industry.siemens.com/cs/ww/en/ps/3KD3230-0NE10-0

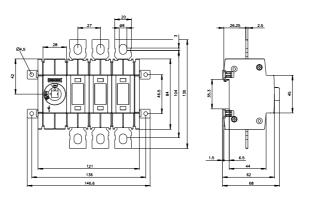
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3KD3230-0NE10-0

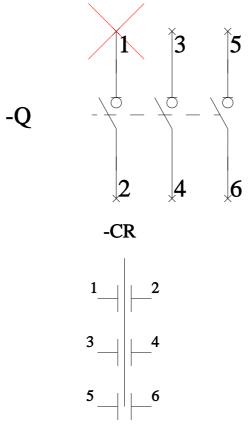
**CAx-Online-Generator** 

http://www.siemens.com/cax

**Tender specifications** 

http://www.siemens.com/specifications





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