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	
 with closed switch / at 1000 V / for combination switch +gG/aM SITOR fuse / maximum 	19 815 A ² ·s
 of the fuse / at 500 V / maximum permissible 	223 005 A ² ·s
 of the gG fuse / at 690 V / maximum permissible 	226 005 A ² ·s
 of the gG/aM SITOR fuse / at 1000 V / maximum permissible 	48 000 A ² ·s
 of the molded case circuit breaker / at 415 V / maximum permissible 	1 750 000 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	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] with conventional rated thermal current / per pole 0.6 W for rated value of the current / at AC / in hot operating state / per pole 2.2 W current operational current at 36 °C / rated value at 40 °C / rated value at 45 °C / rated value at 45 °C / rated value at 55 °C / rated value at 65 °C / rated value at 62 °C / rated va		1900
 with conventional rated thermal current / per pole 3.2 W with conventional rated thermal current / per device 9.6 W 9.6 W 9.7 W 9.8 W		
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
 at AC-23 A / at 400 V / rated value at AC-22 A / at 1000 V / maximum 125 A at AC-22 A / at 690 V / rated value 125 A at AC-22 A / at 500 V / rated value 125 A at AC-22 A / at 400 V / rated value 125 A at AC-20 A / at 1000 V / maximum 125 A at AC-20 A / at 1000 V / maximum 125 A at AC-21 A / at 500 V / rated value 125 A at AC-21 A / at 500 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 440 V / rated value / note 125 A / 3 at DC-23 A / at 440 V / rated value / note 125 A / 3 at DC-24 A / at 40 V / rated value / note 125 A / 3 at DC-21 A / at 420 V / rated value / note 125 A / 3 at DC-21 A / at 420 V / rated value / note 125 A / 3 at DC-21 A / at 420 V / rated value / note 125 A / 3 at DC-21 A / at 220 V / rated value / maximum 125 A / 3 at DC-21 A / at 220 V / rated value / maximum 125 A / 3 at DC-21 A / at 220 V / rated value / maximum 125 A / 3 at DC-21 A / at 220 V / rated value / maximum 125 A / 3 continuous current / of upstream fuse / at 500 V and 690 V / rated value continuous current / of upstream fuse / at 500 V / rated 250 A continuous current / of upstream fuse / at 500 V / maximum 2570 A let-through current / of the fuse / at 500 V / maximum 25700 A let-through current / of the G fuse / at 690 V / maximum 29 500 A 	• at AC-23 A / at 690 V / rated value	125 A
 at AC-22 A / at 1000 V / maximum 125 A at AC-22 A / at 690 V / rated value 125 A at AC-22 A / at 500 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 500 V / rated value 125 A at AC-21 A / at 500 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-20 A / at 1000 V / maximum 125 A / 1 at DC-23 A / at 440 V / rated value / note 125 A / 2 at DC-23 A / at 420 V / rated value / note 125 A / 2 at DC-22 A / at 420 V / rated value / note 125 A / 3 at DC-22 A / at 420 V / rated value / note 125 A / 3 at DC-21 A / at 420 V / rated value / note 125 A / 3 at DC-21 A / at 420 V / rated value / note 125 A / 3 at DC-21 B / at 750 V / rated value / maximum 125 A / 3 at DC-21 B / at 750 V / rated value / maximum 125 A / 3 at DC-21 B / at 750 V / rated value / maximum 250 A continuous current / of upstream fuse / at 1000 V / rated 250 A continuous current / of upstream fuse / at 1000 V / rated 250 A continuous current / of upstream molded case circuit breaker / at 415 V / rated value 250 A let-through current / of the fuse / at 500 V / maximum 25 700 A let-through current / of the gG fuse / at 690 V / maximum 29 500 A 	 at AC-23 A / at 500 V / rated value 	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	 at AC-23 A / at 400 V / rated value 	125 A
 at AC-22 A / at 500 V / rated value at AC-22 A / at 400 V / rated value 125 A at AC-20 A / at 1000 V / maximum 125 A at AC-21 A / at 500 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-20 A / at 1000 V / maximum 125 A / 1 at DC-23 A / at 440 V / rated value / note 125 A / 3 at DC-22 A / at 220 V / rated value / note 125 A / 3 at DC-22 A / at 220 V / rated value / note 125 A / 3 at DC-21 A / at 220 V / rated value / note 125 A / 3 at DC-21 A / at 220 V / rated value / note 125 A / 3 at DC-21 B / at 750 V / rated value / maximum 125 A / 3 continuous current / of upstream fuse / at 500 V and 690 V /rated value continuous current / of upstream molded case circuit breaker / at 415 V / rated value 250 A continuous current / of the fuse / at 1000 V / rated 250 A continuous current / of the fuse / at 500 V / maximum 257 00 A let-through current / of the fuse / at 690 V / maximum 29 500 A 	 at AC-22 A / at 1000 V / maximum 	125 A
 at AC-22 A / at 400 V / rated value at AC-20 A / at 1000 V / maximum 125 A at AC-21 A / at 500 V / rated value 125 A at AC-21 A / at 690 V / rated value 125 A at DC-20 A / at 1000 V / maximum 125 A / 1 at DC-23 A / at 440 V / rated value / note 125 A / 3 at DC-22 A / at 440 V / rated value / note 125 A / 3 at DC-22 A / at 440 V / rated value / note 125 A / 3 at DC-22 A / at 440 V / rated value / note 125 A / 3 at DC-22 A / at 440 V / rated value / note 125 A / 3 at DC-22 A / at 440 V / rated value / note 125 A / 2 at DC-21 A / at 440 V / rated value / note 125 A / 3 at DC-21 A / at 440 V / rated value / note 125 A / 3 at DC-21 B / at 750 V / rated value / maximum 125 A / 3 continuous current / of upstream fuse / at 1000 V / rated 250 A continuous current / of upstream fuse / at 1000 V / rated 250 A continuous current / of upstream molded case circuit breaker / at 415 V / rated value 125 A 125 A 125 A 125 A 250 A 250	 at AC-22 A / at 690 V / rated value 	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	 at AC-22 A / at 500 V / rated value 	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	 at AC-22 A / at 400 V / rated value 	125 A
 at AC-21 A / at 690 V / rated value at DC-20 A / at 1000 V / maximum 125 A / 1 at DC-23 A / at 440 V / rated value / note 125 A / 3 at DC-23 A / at 220 V / rated value / note 125 A / 2 at DC-22 A / at 440 V / rated value / note 125 A / 3 at DC-22 A / at 220 V / rated value / note 125 A / 2 at DC-21 A / at 440 V / rated value / note 125 A / 2 at DC-21 A / at 440 V / rated value / note 125 A / 3 at DC-21 A / at 440 V / rated value / note 125 A / 3 at DC-21 A / at 220 V / rated value / note 125 A / 3 at DC-21 B / at 750 V / rated value / maximum 125 A / 3 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 preaker / at 415 V / rated value 125 A 200 A permissible let-through current / of the fuse / at 500 V / maximum 25 700 A 	 at AC-20 A / at 1000 V / maximum 	125 A
 at DC-20 A/ at 1000 V / maximum 125 A / 1 at DC-23 A/ at 440 V / rated value / note 125 A / 3 at DC-23 A/ at 220 V / rated value / note 125 A / 2 at DC-22 A/ at 440 V / rated value / note 125 A / 3 at DC-22 A/ at 220 V / rated value / note 125 A / 2 at DC-21 A/ at 440 V / rated value / note 125 A / 3 at DC-21 A/ at 220 V / rated value / note 125 A / 3 at DC-21 A/ at 220 V / rated value / note 125 A / 3 at DC-21 A/ at 220 V / rated value / maximum 125 A / 3 continuous current / of upstream fuse / at 500 V and 690 V continuous current / of upstream fuse / at 1000 V / rated value continuous current / of upstream molded case circuit breaker / at 415 V / rated value 200 A continuous current / at DC / rated value 125 A let-through current / of the fuse / at 690 V / maximum 25 700 A 	 at AC-21 A / at 500 V / rated value 	125 A
 at DC-23 A / at 440 V / rated value / note at DC-23 A / at 220 V / rated value / note at DC-22 A / at 220 V / rated value / note 125 A / 3 at DC-22 A / at 220 V / rated value / note 125 A / 3 at DC-21 A / at 440 V / rated value / note 125 A / 2 at DC-21 A / at 440 V / rated value / note 125 A / 3 at DC-21 A / at 220 V / rated value / note 125 A / 3 at DC-21 A / at 220 V / rated value 125 A / 2 at DC-21 B / at 750 V / rated value / maximum 125 A / 3 continuous current / of upstream fuse / at 500 V and 690 V continuous current / of upstream fuse / at 1000 V / rated continuous current / of upstream molded case circuit breaker / at 415 V / rated value 125 A 200 A continuous current / of the fuse / at 500 V / maximum 25 700 A let-through current / of the gG fuse / at 690 V / maximum 29 500 A 		
 at DC-23 A / at 220 V / rated value / note at DC-22 A / at 440 V / rated value / note at DC-22 A / at 220 V / rated value / note at DC-22 A / at 220 V / rated value / note at DC-21 A / at 440 V / rated value / note at DC-21 A / at 440 V / rated value / note at DC-21 A / at 220 V / rated value at DC-21 B / at 750 V / rated value at DC-21 B / at 750 V / rated value / maximum 125 A / 3 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 preaker / at 415 V / rated value 125 A let-through current / of the fuse / at 500 V / maximum 25 700 A 		
 at DC-22 A / at 440 V / rated value / note at DC-22 A / at 220 V / rated value / note at DC-21 A / at 220 V / rated value / note at DC-21 A / at 440 V / rated value / note at DC-21 A / at 220 V / rated value at DC-21 B / at 750 V / rated value at DC-21 B / at 750 V / rated value / maximum 125 A / 3 continuous current / of upstream fuse / at 500 V and 690 V continuous current / of upstream fuse / at 1000 V / rated continuous current / of upstream fuse / at 1000 V / rated continuous current / of upstream molded case circuit breaker / at 415 V / rated value coperational current / at DC / rated value let-through current / of the fuse / at 690 V / maximum 29 500 A 		
 at DC-22 A / at 220 V / rated value / note at DC-21 A / at 440 V / rated value / note 125 A / 2 at DC-21 A / at 220 V / rated value 125 A / 2 at DC-21 B / at 750 V / rated value / maximum 125 A / 3 continuous current / of upstream fuse / at 500 V and 690 V continuous current / of upstream fuse / at 500 V and 690 V 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 let-through current / of the fuse / at 500 V / maximum 25 700 A 2500 A 		
 at DC-21 A / at 440 V / rated value / note at DC-21 A / at 220 V / rated value at DC-21 B / at 220 V / rated value / maximum 125 A / 2 at DC-21 B / at 750 V / rated value / maximum 125 A / 3 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		
 at DC-21 A / at 220 V / rated value at DC-21 B / at 750 V / rated value / maximum 125 A / 2 at DC-21 B / at 750 V / rated value / maximum 125 A / 3 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 continuous current / of upstream molded case circuit breaker / at 415 V / rated value operational current / at DC / rated value let-through current / of the fuse / at 690 V / maximum let-through current / of the gG fuse / at 690 V / maximum 29 500 A 		
• 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
 safety switch 	Yes
maintenance/repair switch	Yes
Product details	
product feature / interlock	No
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-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	
 at 400 V AC / without fuse link / rated value / minimum 	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
 at 500 V / by gG fuse / rated value 	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
 front mounting with central attachment 	No
rail mounting	Yes
mounting position	any

net weight			1 050 g				
Environmental condition	ons						
ambient temperature / o	during operation						
 minimum 			-25 °C				
maximum			70 °C				
ambient temperature / o	during storage						
 minimum 			-50 °C				
 maximum 			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

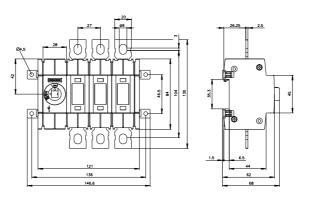
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3KD3230-0NE10-0

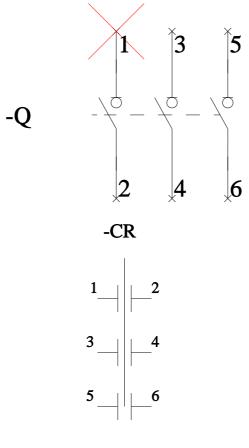
CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications





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