SIEMENS

Data sheet 3KD1632-2ME10-0

SWITCH-DISCONNECTOR 16A, FRAME SIZE 1, 3-POLE FRONT OPERATING LEFT COMPLETE ASSEMBLY DIRECT OPERATING MECHANISM GREY 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	ON-OFF-TEST
Design of the operating mechanism	Long rotary knob
Type of the driving mechanism / motor drive	No

General technical data	
Number of poles	3
Type of device	fixed mounting
Size of switch disconnector	1
Electrical endurance (switching cycles)	
● at AC-23 A / at 690 V / at 50/60 Hz	6 000
• at DC-23 A / at 440 V	1 500
 I2t value / with closed switch / for combination switch + fuse / at 500 V / maximum 	13 300 A²-s
• I2t value / with closed switch / for combination switch + fuse / at 400 V / maximum	13 300 A ² ·s

 I2t value / with closed switch / at 690 V / for 	13 700 A²·s
combination switch + gG fuse / maximum	
 I2t value / of the fuse / at 500 V / maximum permissible 	26 505 A²·s
 I2t value / of the gG fuse / at 690 V / maximum permissible 	24 005 A²-s
circuit-breaker / Design	3KD1
Mechanical service life (switching cycles) / typical	15 000
Position / of the switch operating mechanism	at the left end
Overvoltage category	III
Voltage	
Operating voltage / with current paths in series	
 with degree of pollution 2 / at DC / rated value / Note 	440 V / 3
 with degree of pollution 3 / at DC / rated value / Note 	440 / 3
Insulation voltage	
• rated value	1 000 V
Surge voltage resistance / rated value	8 kV
Overvoltage in percent / relative to the operating voltage / at AC / at 50/60 Hz	10 %
Protection class	
Protection class IP	IP20
Protection class IP	
 with closed switch / with cover or cable lug cover 	IP20
• on the front	IP20
Dissipation	
Power loss [W]	
with conventional rated thermal current / per pole	0.2 W
Electricity	
Operating current	

•
• at AC-21

● at AC-21 A / at 400 V / maximum	16 A
-----------------------------------	------

• at AC-21 A / at 500 V / maximum 16 A

• at AC-21 A / at 690 V / maximum 16 A

• at AC-23 A / at 500 V / at 50/60 Hz / rated value 16 A / maximum

 \bullet at AC-22 A / at 500 V / at 50/60 Hz / rated value / maximum

• at AC-22 A / at 400 V / at 50/60 Hz / rated value / maximum

16 A 16 A

• at AC-22 A / at 690 V / at 50/60 Hz / rated value / maximum • at AC-23 A / at 400 V / at 50/60 Hz / rated value / maximum • at AC-23 A / at 690 V / at 50/60 Hz / rated value / maximum • at DC-22 A / at 440 V / rated value / maximum • at DC-22 A / at 440 V / rated value / maximum • at DC-22 A / at 440 V / rated value / maximum • at DC-22 A / at 440 V / rated value / maximum • at DC-22 A / at 440 V / rated value / maximum • at DC-22 A / at 440 V / rated value / maximum • at DC-22 A / at 440 V / rated value / maximum • rated value • at 60 ° C / rated value • at 60 ° C / rated value • at 65 ° C / rated value • at 65 ° C / rated value • at 65 ° C / rated value • at 60 ° C / rated value • at 70 ° C / rated value • at 65 ° C / rated value • at 60 ° C / rated value •		
## AC-23 A / at 690 V / at 50/60 Hz / rated value / maximum at AC-23 A / at 440 V / rated value / maximum 16 / 3		16 A
## AT DC-23 A / at 440 V / rated value / maximum at DC-22 A / at 440 V / rated value / maximum at DC-22 A / at 440 V / rated value / maximum at DC-21 A / at 440 V / rated value / maximum for A de A d		16 A
• at DC-22 A / at 440 V / rated value / maximum • at DC-21 A / at 440 V / rated value / maximum 16 / 3 Current / at AC / rated value 16 A Continuous current • rated value • at 40 °C / rated value 16 A • at 45 °C / rated value 16 A • at 55 °C / rated value 16 A • at 55 °C / rated value 16 A • at 60 °C / rated value 16 A • at 60 °C / rated value 16 A • at 65 °C / rated value 16 A • at 65 °C / rated value 16 A • at 65 °C / rated value 16 A • at 65 °C / rated value 16 A • at 65 °C / rated value 16 A • at 65 °C / rated value 16 A Continuous current / at DC / rated value 16 A Let-through current / of the fuse / at 500 V / maximum permissible Let-through current / of the gG fuse / at 690 V / maximum permissible Let-through current / vith closed switch • at 690 V / for combination switch + gG fuse / maximum permissible • for combination switch + fuse / at 400 V / maximum permissible Short-time current resistance (Icw) • at 690 V AC/440 V DC / limited to 1 s / rated value • at AC-23 A / at 400 V / at 50/60 Hz / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value • at AC-24 A / at 690 V / at 50/60 Hz / rated value • at AC-25 A / at 690 V / at 50/60 Hz / rated value • at AC-27 A / at 690 V / at 50/60 Hz / rated value • at AC-27 A / at 690 V / at 50/60 Hz / rated value • at AC-27 A / at 690 V / at 50/60 Hz / rated value • at AC-27 A / at 690 V / at 50/60 Hz / rated value • at AC-27 A / at 690 V / at 50/60 Hz / rated value • at AC-27 A / at 690 V / at 50/60 Hz / rated value • at AC-27 A / at 690 V / at 50/60 Hz / rated value		16 A
• at DC-21 A / at 440 V / rated value / maximum	• at DC-23 A / at 440 V / rated value / maximum	16 / 3
Current / at AC / rated value Continuous current * rated value * at 40 °C / rated value * at 45 °C / rated value * at 45 °C / rated value * at 45 °C / rated value * at 50 °C / rated value * at 60 °C / rated value * at 60 °C / rated value * at 65 °C / rated value * at 65 °C / rated value * at 70 °C / rated value * at 80 °C / rated value * at	• at DC-22 A / at 440 V / rated value / maximum	16 / 3
Continuous current • rated value 16 A • at 40 °C / rated value 16 A • at 45 °C / rated value 16 A • at 55 °C / rated value 16 A • at 55 °C / rated value 16 A • at 60 °C / rated value 16 A • at 65 °C / rated value 16 A • at 70 °C / rated value 16 A • at 70 °C / rated value 16 A Let-through current / at DC / rated value 16 A Let-through current / of the fuse / at 500 V / maximum permissible 8 805 A Let-through current / with closed switch 8 805 A • at 690 V / for combination switch + gG fuse / maximum permissible 7 500 A Let-through current / with closed switch 7 500 A • at 690 V / for combination switch + fuse / at 400 V / maximum permissible 7 500 A • for combination switch + fuse / at 500 V / maximum permissible 7 500 A Short-time current resistance (low) 3 kA • at 690 V AC/440 V DC / limited to 1 s / rated value 7.5 kW • at AC-23 A / at 500 V / at 50/60 Hz / rated value 7.5 kW • at AC-23 A / at 690 V / at 50/60 Hz / rated value 11 kW	• at DC-21 A / at 440 V / rated value / maximum	16 / 3
• rated value • at 40 °C / rated value • at 40 °C / rated value • at 45 °C / rated value • at 55 °C / rated value • at 60 °C / rated value • at 60 °C / rated value • at 60 °C / rated value • at 65 °C / rated value • at 65 °C / rated value • at 65 °C / rated value • at 70 °C / rated value • at 70 °C / rated value • at 70 °C / rated value • at 80 °C / rated value • at 70 °C / rated value • at 80 °C / rated value • a	Current / at AC / rated value	16 A
• at 40 °C / rated value	Continuous current	
• at 45 °C / rated value	• rated value	16 A
at 50 °C / rated value at 55 °C / rated value 16 A at 60 °C / rated value 16 A at 60 °C / rated value 16 A at 65 °C / rated value 16 A at 65 °C / rated value 16 A continuous current / at DC / rated value 16 A Let-through current / of the fuse / at 500 V / maximum permissible Let-through current / with closed switch at 690 V / for combination switch + gG fuse / maximum permissible Let-through current / with closed switch at 690 V / for combination switch + fuse / at 400 V / maximum permissible for combination switch + fuse / at 400 V / maximum permissible Short-time current resistance (lcw) at 690 V AC/440 V DC / limited to 1 s / rated value Main circuit Operating power at AC-23 A / at 500 V / at 50/60 Hz / rated value at AC-23 A / at 690 V / at 50/60 Hz / rated value at AC-23 A / at 690 V / at 50/60 Hz / rated value at AC-23 A / at 690 V / at 50/60 Hz / rated value at AC-23 A / at 690 V / at 50/60 Hz / rated value at AC-23 A / at 690 V / at 50/60 Hz / rated value at AC-23 A / at 690 V / at 50/60 Hz / rated value at AC-23 A / at 690 V / at 50/60 Hz / rated value at AC-23 A / at 690 V / at 50/60 Hz / rated value at AC-23 A / at 690 V / at 50/60 Hz / rated value at AC-23 A / at 690 V / at 50/60 Hz / rated value at AC-23 A / at 690 V / at 50/60 Hz / rated value at AC-23 A / at 690 V / at 50/60 Hz / rated value at AC-23 A / at 690 V / at 50/60 Hz / rated value at AC-23 A / at 690 V / at 50/60 Hz / rated value at AC-23 A / at 690 V / at 50/60 Hz / rated value at AC-23 A / at 50/60 Hz / rated value	• at 40 °C / rated value	16 A
at 55 °C / rated value at 60 °C / rated value 16 A at 65 °C / rated value 16 A at 70 °C / rated value 16 A Continuous current / at DC / rated value 16 A Let-through current / of the fuse / at 500 V / maximum permissible Let-through current / of the gG fuse / at 690 V / maximum permissible Let-through current / with closed switch at 690 V / for combination switch + gG fuse / maximum permissible Let-through current / with closed switch at 690 V / for combination switch + fuse / at 400 V / maximum permissible for combination switch + fuse / at 400 V / maximum permissible for combination switch + fuse / at 500 V / maximum permissible Short-time current resistance (lcw) at 690 V AC/440 V DC / limited to 1 s / rated value Main circuit Operating power at AC-23 A / at 400 V / at 50/60 Hz / rated value at AC-23 A / at 690 V / at 50/60 Hz / rated value at AC-23 A / at 690 V / at 50/60 Hz / rated value at AC-23 A / at 690 V / at 50/60 Hz / rated value at AC-23 A / at 690 V / at 50/60 Hz / rated value at AC-23 A / at 690 V / at 50/60 Hz / rated value at AC-23 A / at 690 V / at 50/60 Hz / rated value at AC / at 50/60 Hz / rated value at AC / at 50/60 Hz / rated value at AC / at 50/60 Hz / rated value at AC / at 50/60 Hz / rated value at AC / at 50/60 Hz / rated value at AC / at 50/60 Hz / rated value	• at 45 °C / rated value	16 A
at 60 °C / rated value at 65 °C / rated value 16 A at 70 °C / rated value 16 A Continuous current / at DC / rated value 16 A Let-through current / of the fuse / at 500 V / maximum permissible Let-through current / of the gG fuse / at 690 V / maximum permissible Let-through current / with closed switch at 690 V / for combination switch + gG fuse / maximum permissible for combination switch + fuse / at 400 V / maximum permissible for combination switch + fuse / at 500 V / maximum permissible for combination switch + fuse / at 500 V / maximum permissible for combination switch + fuse / at 500 V / maximum permissible Short-time current resistance (lcw) at 690 V AC/440 V DC / limited to 1 s / rated value at 690 V AC/440 V DC / at 50/60 Hz / rated value at AC-23 A / at 400 V / at 50/60 Hz / rated value at AC-23 A / at 690 V / at 50/60 Hz / rated value at AC-23 A / at 690 V / at 50/60 Hz / rated value at AC-23 A / at 690 V / at 50/60 Hz / rated value at AC-24 A / at 690 V / at 50/60 Hz / rated value at AC-25 A / at 690 V / at 50/60 Hz / rated value at AC-25 A / at 690 V / at 50/60 Hz / rated value at AC-26 A / at 690 V / at 50/60 Hz / rated value at AC-27 A / at 690 V / at 50/60 Hz / rated value at AC-28 A / at 690 V / at 50/60 Hz / rated value at AC-27 A / at 690 V / at 50/60 Hz / rated value at AC-28 A / at 690 V / at 50/60 Hz / rated value at AC-27 A / at 690 V / at 50/60 Hz / rated value at AC-28 A / at 690 V / at 50/60 Hz / rated value at AC-28 A / at 690 V / at 50/60 Hz / rated value at AC-28 A / at 690 V / at 50/60 Hz / rated value at AC-28 A / at 690 V / at 50/60 Hz / rated value at AC-28 A / at 690 V / at 50/60 Hz / rated value at AC-28 A / at 690 V / at 50/60 Hz / rated value	• at 50 °C / rated value	16 A
at 65 °C / rated value at 70 °C / rated value 16 A Continuous current / at DC / rated value 16 A Let-through current / of the fuse / at 500 V / maximum permissible Let-through current / of the gG fuse / at 690 V / maximum permissible Let-through current / with closed switch at 690 V / for combination switch + gG fuse / maximum permissible of or combination switch + fuse / at 400 V / maximum permissible of or combination switch + fuse / at 500 V / maximum permissible of or combination switch + fuse / at 500 V / maximum permissible Short-time current resistance (lcw) at 690 V AC/440 V DC / limited to 1 s / rated value Main circuit Operating power at AC-23 A / at 400 V / at 50/60 Hz / rated value at AC-23 A / at 690 V / at 50/60 Hz / rated value at AC-23 A / at 690 V / at 50/60 Hz / rated value at AC-23 A / at 690 V / at 50/60 Hz / rated value at AC / at 50/60 Hz / rated value et AC / at 50/60 Hz / rated value 690 V	• at 55 °C / rated value	16 A
• at 70 °C / rated value Continuous current / at DC / rated value Let-through current / of the fuse / at 500 V / maximum permissible Let-through current / of the gG fuse / at 690 V / maximum permissible Let-through current / with closed switch • at 690 V / for combination switch + gG fuse / maximum permissible • for combination switch + fuse / at 400 V / maximum permissible • for combination switch + fuse / at 500 V / maximum permissible • for combination switch + fuse / at 500 V / maximum permissible Short-time current resistance (low) • at 690 V AC/440 V DC / limited to 1 s / rated value Wain circuit Operating power • at AC-23 A / at 400 V / at 50/60 Hz / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value • at AC-24 50/60 Hz / rated value • at AC / at 50/60 Hz / rated value • at AC / at 50/60 Hz / rated value	• at 60 °C / rated value	16 A
Continuous current / at DC / rated value Let-through current / of the fuse / at 500 V / maximum permissible Let-through current / of the gG fuse / at 690 V / maximum permissible Let-through current / with closed switch • at 690 V / for combination switch + gG fuse / maximum permissible • for combination switch + fuse / at 400 V / maximum permissible • for combination switch + fuse / at 500 V / maximum permissible • for combination switch + fuse / at 500 V / maximum permissible • for combination switch + fuse / at 500 V / maximum permissible Short-time current resistance (lcw) • at 690 V AC/440 V DC / limited to 1 s / rated value • at AC-23 A / at 400 V / at 50/60 Hz / rated value • at AC-23 A / at 500 V / at 50/60 Hz / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value • at AC-21 A / at 50/60 Hz / rated value • at AC / at 50/60 Hz / rated value • at AC / at 50/60 Hz / rated value • at AC / at 50/60 Hz / rated value • at AC / at 50/60 Hz / rated value	• at 65 °C / rated value	16 A
Let-through current / of the fuse / at 500 V / maximum permissible Let-through current / of the gG fuse / at 690 V / maximum permissible Let-through current / with closed switch • at 690 V / for combination switch + gG fuse / maximum permissible • for combination switch + fuse / at 400 V / maximum permissible • for combination switch + fuse / at 500 V / maximum permissible • for combination switch + fuse / at 500 V / maximum permissible Short-time current resistance (lcw) • at 690 V AC/440 V DC / limited to 1 s / rated value Main circuit Operating power • at AC-23 A / at 400 V / at 50/60 Hz / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value • at AC-3 A / at 690 V / at 50/60 Hz / rated value • at AC-3 A / at 50/60 Hz / rated value • at AC / at 50/60 Hz / rated value • at AC / at 50/60 Hz / rated value • at AC / at 50/60 Hz / rated value • at AC / at 50/60 Hz / rated value • at AC / at 50/60 Hz / rated value • at AC / at 50/60 Hz / rated value	• at 70 °C / rated value	16 A
maximum permissible Let-through current / of the gG fuse / at 690 V / maximum permissible Let-through current / with closed switch • at 690 V / for combination switch + gG fuse / maximum permissible • for combination switch + fuse / at 400 V / maximum permissible • for combination switch + fuse / at 500 V / maximum permissible • for combination switch + fuse / at 500 V / maximum permissible Short-time current resistance (lcw) • at 690 V AC/440 V DC / limited to 1 s / rated value Main circuit Operating power • at AC-23 A / at 400 V / at 50/60 Hz / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value • at AC-4 at 50/60 Hz / rated value • at AC / at 50/60 Hz / rated value • at AC / at 50/60 Hz / rated value • at AC / at 50/60 Hz / rated value	Continuous current / at DC / rated value	16 A
Let-through current / of the gG fuse / at 690 V / maximum permissible Let-through current / with closed switch • at 690 V / for combination switch + gG fuse / maximum permissible • for combination switch + fuse / at 400 V / maximum permissible • for combination switch + fuse / at 500 V / maximum permissible • for combination switch + fuse / at 500 V / maximum permissible Short-time current resistance (low) • at 690 V AC/440 V DC / limited to 1 s / rated value Value Main circuit Operating power • at AC-23 A / at 400 V / at 50/60 Hz / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value • at AC-3 A / at 690 V / at 50/60 Hz / rated value • at AC-3 A / at 690 V / at 50/60 Hz / rated value • at AC-3 A / at 690 V / at 50/60 Hz / rated value • at AC-1 at 50/60 Hz / rated value • at AC / at 50/60 Hz / rated value • at AC / at 50/60 Hz / rated value • at AC / at 50/60 Hz / rated value	Let-through current / of the fuse / at 500 V /	8 135 A
maximum permissible Let-through current / with closed switch • at 690 V / for combination switch + gG fuse / maximum permissible • for combination switch + fuse / at 400 V / maximum permissible • for combination switch + fuse / at 500 V / maximum permissible • for combination switch + fuse / at 500 V / maximum permissible Short-time current resistance (lcw) • at 690 V AC/440 V DC / limited to 1 s / rated value • at AC-23 A / at 400 V / at 50/60 Hz / rated value • at AC-23 A / at 500 V / at 50/60 Hz / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value • at AC-34 A / at 690 V / at 50/60 Hz / rated value • at AC-14 50/60 Hz / rated value • at AC / at 50/60 Hz / rated value • at AC / at 50/60 Hz / rated value • at AC / at 50/60 Hz / rated value • at AC / at 50/60 Hz / rated value	maximum permissible	
 at 690 V / for combination switch + gG fuse / maximum permissible for combination switch + fuse / at 400 V / maximum permissible for combination switch + fuse / at 500 V / maximum permissible for combination switch + fuse / at 500 V / maximum permissible Short-time current resistance (Icw) at 690 V AC/440 V DC / limited to 1 s / rated value Operating power at AC-23 A / at 400 V / at 50/60 Hz / rated value at AC-23 A / at 500 V / at 50/60 Hz / rated value at AC-23 A / at 690 V / at 50/60 Hz / rated value at AC-23 A / at 690 V / at 50/60 Hz / rated value at AC-23 A / at 690 V / at 50/60 Hz / rated value at AC-23 A / at 50/60 Hz / rated value at AC / at 50/60 Hz / rated value 690 V 	-	8 805 A
maximum permissible • for combination switch + fuse / at 400 V / maximum permissible • for combination switch + fuse / at 500 V / 7 000 A maximum permissible Short-time current resistance (Icw) • at 690 V AC/440 V DC / limited to 1 s / rated value Main circuit Operating power • at AC-23 A / at 400 V / at 50/60 Hz / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value • at AC / at 50/60 Hz / rated value • at AC / at 50/60 Hz / rated value • at AC / at 50/60 Hz / rated value • at AC / at 50/60 Hz / rated value	Let-through current / with closed switch	
maximum permissible • for combination switch + fuse / at 500 V / maximum permissible Short-time current resistance (Icw) • at 690 V AC/440 V DC / limited to 1 s / rated value Main circuit Operating power • at AC-23 A / at 400 V / at 50/60 Hz / rated value • at AC-23 A / at 500 V / at 50/60 Hz / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value • at AC / at 50/60 Hz / rated value • at AC / at 50/60 Hz / rated value • at AC / at 50/60 Hz / rated value • at AC / at 50/60 Hz / rated value	_	7 500 A
maximum permissible Short-time current resistance (Icw) • at 690 V AC/440 V DC / limited to 1 s / rated value Main circuit Operating power • at AC-23 A / at 400 V / at 50/60 Hz / rated value • at AC-23 A / at 500 V / at 50/60 Hz / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value • at AC-3 A / at 690 V / at 50/60 Hz / rated value • at AC-3 A / at 50/60 Hz / rated value • at AC / at 50/60 Hz / rated value 690 V		7 000 A
 at 690 V AC/440 V DC / limited to 1 s / rated value Main circuit Operating power at AC-23 A / at 400 V / at 50/60 Hz / rated value at AC-23 A / at 500 V / at 50/60 Hz / rated value at AC-23 A / at 690 V / at 50/60 Hz / rated value at AC / 23 A / at 690 V / at 50/60 Hz / rated value Operating voltage at AC / at 50/60 Hz / rated value 690 V 		7 000 A
Value Main circuit Operating power • at AC-23 A / at 400 V / at 50/60 Hz / rated value • at AC-23 A / at 500 V / at 50/60 Hz / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value Operating voltage • at AC / at 50/60 Hz / rated value 690 V	Short-time current resistance (lcw)	
Main circuit Operating power • at AC-23 A / at 400 V / at 50/60 Hz / rated value 7.5 kW • at AC-23 A / at 500 V / at 50/60 Hz / rated value 7.5 kW • at AC-23 A / at 690 V / at 50/60 Hz / rated value 11 kW Operating voltage • at AC / at 50/60 Hz / rated value 690 V	• at 690 V AC/440 V DC / limited to 1 s / rated	3 kA
Operating power • at AC-23 A / at 400 V / at 50/60 Hz / rated value 7.5 kW • at AC-23 A / at 500 V / at 50/60 Hz / rated value 7.5 kW • at AC-23 A / at 690 V / at 50/60 Hz / rated value 11 kW Operating voltage • at AC / at 50/60 Hz / rated value 690 V	value	
Operating power • at AC-23 A / at 400 V / at 50/60 Hz / rated value 7.5 kW • at AC-23 A / at 500 V / at 50/60 Hz / rated value 7.5 kW • at AC-23 A / at 690 V / at 50/60 Hz / rated value 11 kW Operating voltage • at AC / at 50/60 Hz / rated value 690 V	Main circuit	
 at AC-23 A / at 500 V / at 50/60 Hz / rated value at AC-23 A / at 690 V / at 50/60 Hz / rated value Operating voltage at AC / at 50/60 Hz / rated value 690 V 		
at AC-23 A / at 690 V / at 50/60 Hz / rated value Operating voltage at AC / at 50/60 Hz / rated value 690 V	• at AC-23 A / at 400 V / at 50/60 Hz / rated value	7.5 kW
Operating voltage ● at AC / at 50/60 Hz / rated value 690 V	• at AC-23 A / at 500 V / at 50/60 Hz / rated value	7.5 kW
at AC / at 50/60 Hz / rated value 690 V	• at AC-23 A / at 690 V / at 50/60 Hz / rated value	11 kW
	Operating voltage	
Auxiliary circuit	• at AC / at 50/60 Hz / rated value	690 V
	Auxiliary circuit	

Number of connected NC contacts / for auxiliary contacts Number of connected NO contacts / for auxiliary	0
Number of connected NO contacts / for auxiliary	0
contacts	·
Number of connected CO contacts / for auxiliary contacts	0
Suitability	
Suitability for use	
Main switch	Yes
switch disconnector	Yes
EMERGENCY OFF switch	No
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
optional	
— motor drive	No
— Voltage trigger	No
Short circuit	
Short-circuit current making capacity (Icm)	
 for switch disconnector / at 690 V AC/440 V DC / without fuse link / rated value / minimum 	7 kA
 for switch disconnector / without fuse link / rated value / minimum 	7 kA
Conditional short-circuit current / with line-side fuse protection	
• at 500 V / by gG fuse / rated value	100 kA
Short-time current resistance (lcw) / limited to 1 s / rated value	3 kA
Connections	
Type of connectable conductor cross-sections / for copper conductor / solid	1x (1 16 mm²)
 Type of connectable conductor cross-sections / for copper conductor / finely stranded / with core end processing 	1x (1 35 mm²)

 Type of connectable conductor cross-sections / for copper conductor / stranded 	1x (6 35 mm²)
Type of electrical connection	
• for main current circuit	Box terminal

Mechanical Design	
Height	119 mm
Width	94 mm
Depth	87 mm
Mounting position	any
Mounting type	Screw fixing and standard rail mounting 35 mm
Mounting type	
 front mounting with 4-hole attachment 	No
 front mounting with central attachment 	No
• rail mounting	Yes
Net weight	750 g

Environmental conditions	
Degree of pollution	3
Ambient temperature	
during operation / minimum	-25 °C
 during operation / maximum 	70 °C
during storage / minimum	-50 °C
 during storage / maximum 	80 °C

Certificates		
	Equipment marking	
	• acc. to DIN EN 61346-2	Q
	• acc. to DIN EN 81346-2	Q

General Product Approval

Declaration of Conformity





Miscellaneous



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=3KD1632-2ME10-0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3KD1632-2ME10-0

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3KD1632-2ME10-0

CAx-Online-Generator

http://www.siemens.com/cax







