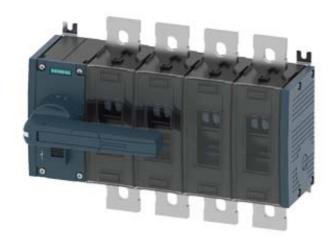
SIEMENS

Product data sheet 3KD4442-0QE10-0

SWITCH-DISCONNECTOR 500A, FRAME SIZE 4, 4-POLE FRONT OPERATING LEFT COMPLETE ASSEMBLY WITH DIRECT HANDLE GREY FLAT TERMINAL



Similar to image

product brand name		SENTRON
Product designation		Switching device
Design of the product		3KD Switch Disconnectors
Size of switch disconnector		4
Number of poles		4
Continuous current		
• rated value	А	500
• at 40 °C / rated value	А	500
• at 45 °C / rated value	А	500
• at 50 °C / rated value	А	500
• at 55 °C / rated value	А	500
• at 60 °C / rated value	А	500
• at 65 °C / rated value	А	500
• at 70 °C / rated value	А	500
• at DC / rated value	А	500
Operating current		
• at AC-21 A		
• at 400 V / maximum	А	500

• at 500 V / maximum • at 690 V / maximum A 500 • at 690 V / maximum A 500 • at 600 V / at 50/60 Hz / rated value / maximum A 500 • at 500 V / at 50/60 Hz / rated value / maximum A 500 • at 500 V / at 50/60 Hz / rated value / maximum A 500 • at 602 V / at 50/60 Hz / rated value / maximum A 500 • at 602 V / at 50/60 Hz / rated value / maximum A 500 • at 600 V / at 50/60 Hz / rated value / maximum A 500 • at 690 V / at 50/60 Hz / rated value / maximum A 500 Operational voltage • at 50/60 Hz / rated value / maximum A 500 Operational voltage • at 50/60 Hz / rated value • with 3 current paths in series / with DC / rated value Insulation voltage / rated value V 690 with 3 current paths in series / with DC / rated value V 440 Insulation voltage / rated value V 12 Overvoltage class IV Operating power / at AC-23 A at 400 V / at 50/60 Hz / rated value W 280 at 500 V / at 50/60 Hz / rated value W 355 at 690 V / at 50/60 Hz / rated value W 500 Izt value / with closed switch • for combination switch + fuse • at 400 V / maximum A 3 ,887,500 • at 690 V / • for combination switch + fuse • at 400 V / maximum permissible • at 690 V / maximum permissible • A 61,600 Making capacity short-circuit current (cm) / for switch disconnector / without use link / rated value / minimum Conditional short-circuit current (cm) / for switch disconnector / without current / with line-side fuse protection • at 690 V / by gG fuse / rated value A 65 Active power foss / with conventional rated thermal current / per A 65			
at AC-22 A at 400 V / at 50/60 Hz / rated value / maximum at 500 V at 50/60 Hz / rated value / maximum A 500 at 690 V / at 50/60 Hz / rated value / maximum A 500 at 600 V / at 50/60 Hz / rated value / maximum A 500 at AC-23 A at 400 V / at 50/60 Hz / rated value / maximum at 500 V / at 50/60 Hz / rated value / maximum at 500 V / at 50/60 Hz / rated value / maximum A 500 Operational voltage at 50/60 Hz / rated value / maximum A 500 Operational voltage at 50/60 Hz / rated value at 50/60 Hz / rated value vith 3 current paths in series / with DC / rated value vith 3 current paths in series / with DC / rated value vvith 3 current paths in series / with DC / rated value vvith 3 current paths in series / with DC / rated value vvith 3 current paths in series / with DC / rated value vvith 3 current paths in series / with DC / rated value vvith 3 college resistance / rated value vvith 3 college resistance / rated value vvith 3 college resistance / rated value vvith 3 college / rated value vvith 3 college / rated value vvith 3 college / rated value vvith 4 college / rated value vvith 5 college / rated value vvith 4 college / rated value vvith 6 college / rated value vvith college / rated value / rat	• at 500 V / maximum	Α	500
** at 400 V / at 50/60 Hz / rated value / maximum ** at 500 V / at 50/60 Hz / rated value / maximum ** at 690 V / at 50/60 Hz / rated value / maximum ** at 690 V / at 50/60 Hz / rated value / maximum ** at 600 V / at 50/60 Hz / rated value / maximum ** at 600 V / at 50/60 Hz / rated value / maximum ** at 690 V / at 50/60 Hz / rated value / maximum ** at 690 V / at 50/60 Hz / rated value / maximum ** at 690 V / at 50/60 Hz / rated value / maximum ** at 500 V / at 50/60 Hz / rated value / maximum ** at 50/60 Hz / rated value / with DC / rated value ** with 3 current paths in series / with DC / rated value ** visualation voltage / rated value / rated value ** visualation voltage / rated value / rated value ** visualation visualation voltage / rated value / rated	• at 690 V / maximum	Α	500
- at 500 V / at 50/60 Hz / rated value / maximum	• 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 500 V / at 50/60 Hz / rated value / maximum * at 690 V / at 50/60 Hz / rated value / maximum A 500 * at 690 V / at 50/60 Hz / rated value / maximum A 500 * Operational voltage * at 50/60 Hz / frated value / maximum A 500 * Operational voltage / rated value * with 3 current paths in series / with DC / rated value * with 3 current paths in series / with DC / rated value * with 3 current paths in series / with DC / rated value * V 1,000 Impulse voltage resistance / rated value * V 1,000 Impulse voltage resistance / rated value * V 1,000 Impulse voltage resistance / rated value * V 280 * at 400 V / at 50/60 Hz / rated value * W 280 * at 690 V / at 50/60 Hz / rated value * W 500 Izt value / with closed switch * for combination switch + fuse * at 400 V / maximum * at 500 V / maximum * at 500 V / maximum * at 500 V / maximum * at 690 V / maximum permissible * A 61,600 Short-time current resistance (cw) / limited to 1 s / rated value Making capacity short-circuit current (lcm) / for switch disconnector / without fuse link / rated value / minimum Conditional short-circuit current / with line-side fuse protection * at 500 V / by gG fuse / rated value * A 66 Active power loss / with conventional rated thermal current / per W 15	• at 400 V / at 50/60 Hz / rated value / maximum	Α	500
	• at 500 V / at 50/60 Hz / rated value / maximum	Α	500
* at 400 V / at 50/60 Hz / rated value / maximum * at 500 V / at 50/60 Hz / rated value / maximum * at 690 V / at 50/60 Hz / rated value / maximum A 500 Operational voltage * at 50/60 Hz / for AC / rated value / maximum A 500 Operational voltage * at 50/60 Hz / for AC / rated value * with 3 current paths in series / with DC / rated value * vith 3 current paths in series / with DC / rated value * vith 3 current paths in series / with DC / rated value * vith 3 current paths in series / with DC / rated value * vith 3 current paths in series / with DC / rated value * vith 3 current paths in series / with DC / rated value * vith 3 current paths in series / with DC / rated value * vith 3 current value * vith 2 value / vith closed switch * or combination switch + fuse * at 400 V / at 50/60 Hz / rated value * vith closed switch * for combination switch + fuse * at 400 V / maximum * at 500 V / maximum * at 690 V * for combination switch + fuse * at 400 V / maximum permissible * at 690 V * or combination switch + fuse * at 400 V / maximum permissible * at 500 V / maximum permissible * at 500 V / maximum permissible * at 500 V / maximum permissible * at 690 V * with combination switch + 4M fuse / maximum permissible * at 690 V * with combination switch + fuse / maximum permissible A 61,600 Short-time current resistance (lcw) / limited to 1 s / rated value Making capacity short-circuit current (lcm) / for switch disconnector / without fuse link / rated value / minimum Conditional short-circuit current / with line-side fuse protection * at 500 V / by gG fuse / rated value / minimum Conditional short-circuit current / with line-side fuse protection * at 500 V / by gG fuse / rated value / minimum Conditional short-circuit current / with line-side fuse protection * at 500 V / by gG fuse / rated value / minimum	• at 690 V / at 50/60 Hz / rated value / maximum	Α	500
* at 500 V / at 50/60 Hz / rated value / maximum	• at AC-23 A		
• at 690 V / at 50/60 Hz / frated value / maximum Operational voltage • at 50/60 Hz / for AC / rated value • with 3 current paths in series / with DC / rated value • with 3 current paths in series / with DC / rated value Insulation voltage / rated value V 1,000 Impulse voltage resistance / rated value V 1,000 Vervoltage class IV Operating power / at AC-23 A • at 400 V / at 50/60 Hz / rated value • at 500 V / at 50/60 Hz / rated value • at 500 V / at 50/60 Hz / rated value • at 690 V / at 50/60 Hz / rated value • at 690 V / at 50/60 Hz / rated value • at 690 V / at 50/60 Hz / rated value • at 690 V / maximum • at 500 V / maximum permissible • at 400 V / maximum permissible • at 400 V / maximum permissible • at 400 V / maximum permissible • at 690 V • with combination switch + fuse • at 400 V / maximum permissible • at 690 V • with combination switch + sM fuse / maximum permissible • at 690 V • with combination switch + sM fuse / maximum permissible • A 61,600 Short-time current resistance (lcw) / limited to 1 s / rated value • with combination switch trace that value / minimum Conditional short-circuit current / with line-side fuse protection • at 500 V / by gG fuse / rated value • at 690 V / by gG fuse / rated value • at 690 V / by gG fuse / rated value • at 690 V / by gG fuse / rated value • at 690 V / by gG fuse / rated value	• at 400 V / at 50/60 Hz / rated value / maximum	Α	500
Operational voltage * at 50/60 Hz / for AC / rated value * with 3 current paths in series / with DC / rated value * with 3 current paths in series / with DC / rated value Insulation voltage / rated value V 1,000 Impulse voltage resistance / rated value V 12 Overvoltage class Operating power / at AC-23 A * at 400 V / at 50/60 Hz / rated value * at 500 V / at 50/60 Hz / rated value * at 690 V 50/60 Hz / rated value * at 690 V 60/7 maximum * at 500 V / maximum * at 500 V / maximum * at 500 V / maximum permissible * at 400 V / maximum permissible * at 400 V / maximum permissible * at 400 V / maximum permissible * at 690 V * with combination switch + fuse * at 400 V / maximum permissible * at 600 V * with combination switch + suse * at 400 V / maximum permissible * at 500 V / maximum permissible * at 600 V * with combination switch + aM fuse / maximum permissible A 61,600 Short-time current resistance (icw) / limited to 1 s / rated value Making capacity short-circuit current (fcm) / for switch * at 500 V / by Gf fuse / rated value * at 600 V by Gf Gf use / rated value * At 500 V / by Gf Gf use / rated value * At 500 V / by Gf Gf use / rated value * At 500 V / by Gf Gf use / rated value * At 500 V / by Gf Gf use / rated value * At 500 V / by Gf Gf use / rated value * At 500 V / by Gf Gf use / rated value * At 500 V / by Gf Gf use / rated value * At 500 V / by Gf Gf use / rated value * At 500 V / by Gf Gf use / rated value * At 500 V / by Gf Gf use / rated value * At 500 V / by Gf Gf use / rated value * At 500 V / by Gf Gf use / rated value * At 500 V / by Gf Gf use / rated value * At 500 V / by Gf Gf use / rated value * At 500 V / by Gf Gf use / rated value * At 500 V / by Gf Gf use / rated value * At 500 V / by Gf Gf use / rated value * At 500 V / by Gf Use / rated value	• at 500 V / at 50/60 Hz / rated value / maximum	Α	500
• at 50/60 Hz / for AC / rated value • with 3 current paths in series / with DC / rated value Insulation voltage / rated value V 1,000 Impulse voltage resistance / rated value V 1,000 Impulse voltage resistance / rated value V 1,000 Overvoltage class IV Operating power / at AC-23 A • at 400 V / at 50/60 Hz / rated value • at 500 V / at 50/60 Hz / rated value • kW 365 • at 690 V / at 50/60 Hz / rated value • for combination switch + fuse • at 400 V / maximum • at 500 V / maximum • at 500 V / maximum • at 690 V • for combination switch +gG fuse / maximum Let-through current / with closed switch • for combination switch + fuse • at 400 V / maximum permissible • at 690 V • with combination switch +aM fuse / maximum permissible A 61,600 A 61,600 Short-time current resistance (icw) / limited to 1 s / rated value Making capacity short-circuit current (lcm) / for switch sisconnector / without fuse link / rated value / minimum Conditional short-circuit current / with line-side fuse protection • at 500 V / by gG fuse / rated value • At 500 V / by gG fuse / rated value Active power loss / with conventional rated thermal current / per V 15	• at 690 V / at 50/60 Hz / rated value / maximum	Α	500
with 3 current paths in series / with DC / rated value Insulation voltage / rated value Impulse voltage resistance / rated value V 1,000 Vervoltage class IV Overvoltage class Operating power / at AC-23 A * at 400 V / at 50/60 Hz / rated value * at 500 V / at 50/60 Hz / rated value * at 500 V / at 50/60 Hz / rated value * at 690 V / at 50/60 Hz / rated value * at 400 V / maximum * at 500 V / maximum * at 500 V / maximum * at 500 V / maximum * at 690 V * for combination switch + gG fuse / maximum Let-through current / with closed switch * for combination switch + guse * at 400 V / maximum permissible * at 690 V / with combination switch +aM fuse / maximum permissible * at 690 V / with current resistance (Icw) / limited to 1 s / rated value Making capacity short-circuit current (Icm) / for switch disconnector / without fuse link / rated value / minimum Conditional short-circuit current / with line-side fuse protection * at 500 V / by gG fuse / rated value * at 690 V / by gG fuse / rated value * at 690 V / by gG fuse / rated value Active power loss / with conventional rated thermal current / per Active power loss / with conventional rated thermal current / per	Operational voltage		
Insulation voltage / rated value Impulse voltage resistance / rated value Overvoltage class Operating power / at AC-23 A • at 400 V / at 50/60 Hz / rated value • at 500 V / at 50/60 Hz / rated value • at 690 V / at 50/60 Hz / rated value • at 400 V / maximum • at 500 V / maximum • at 500 V / maximum • at 690 V • for combination switch + fuse • at 400 V / maximum • at 690 V • for combination switch + gG fuse / maximum Let-through current / with closed switch • for combination switch + fuse • at 400 V / maximum permissible • at 400 V / maximum permissible • at 500 V / maximum permissible • at 690 V • with combination switch + fuse • at 400 V / maximum permissible • at 500 V / maximum permissible • at 690 V • with combination switch +aM fuse / maximum permissible A 61,600 Short-time current resistance (lcw) / limited to 1 s / rated value Making capacity short-circuit current (lcm) / for switch disconnector / without fuse link / rated value / minimum Conditional short-circuit current with line-side fuse protection • at 500 V / by gG fuse / rated value Active power loss / with conventional rated thermal current / per V 15	• at 50/60 Hz / for AC / rated value	V	690
Impulse voltage resistance / rated value Overvoltage class Operating power / at AC-23 A • at 400 V / at 50/60 Hz / rated value • at 500 V / at 50/60 Hz / rated value • at 690 V / at 50/60 Hz / rated value Izt value / with closed switch • for combination switch + fuse • at 400 V / maximum • at 500 V / maximum • at 500 V / maximum • at 690 V • for combination switch + fuse • at 400 V / maximum • for combination switch + fuse • at 500 V / maximum • for combination switch + fuse • at 500 V / maximum • for combination switch + fuse • at 400 V / maximum permissible • at 500 V / maximum permissible • at 500 V / maximum permissible • at 500 V / maximum permissible • at 690 V • with combination switch + aM fuse / maximum permissible A 61,600 Short-time current resistance (lcw) / limited to 1 s / rated value Making capacity short-circuit current (lcm) / for switch disconnector / without fuse link / rated value / minimum Conditional short-circuit current / with line-side fuse protection • at 500 V / by gG fuse / rated value • At 690 V / by gG fuse / rated value • At 690 V / by gG fuse / rated value • At 690 V / by gG fuse / rated value • At 690 V / by gG fuse / rated value • At 690 V / by gG fuse / rated value • At 690 V / by gG fuse / rated value • At 690 V / by gG fuse / rated value • At 690 V / by gG fuse / rated value • At 690 V / by gG fuse / rated value	• with 3 current paths in series / with DC / rated value	V	440
Overvoltage class IV Operating power / at AC-23 A * at 400 V / at 50/60 Hz / rated value kW 280 * at 500 V / at 50/60 Hz / rated value kW 355 * at 690 V / at 50/60 Hz / rated value kW 500 Izt value / with closed switch * for combination switch + fuse * at 400 V / maximum * at 400 V / maximum A²-s 3,687,500 * at 690 V * for combination switch + gG fuse / maximum A²-s 4,450,000 Let-through current / with closed switch * for combination switch + fuse * at 400 V / maximum permissible A 61,600 * at 400 V / maximum permissible A 61,600 * at 500 V / maximum permissible A 61,600 * at 690 V * with combination switch + alM fuse / maximum permissible A 54,500 Short-time current resistance (lcw) / limited to 1 s / rated value kA 30 Making capacity short-circuit current / with line-side fuse protection * at 500 V / by gG fuse / rated value kA 63 * at 500 V / by gG fuse / rated value kA 100 * A 65 * Active power loss / with conventional rated	Insulation voltage / rated value	V	1,000
Operating power / at AC-23 A • at 400 V / at 50/60 Hz / rated value	Impulse voltage resistance / rated value	kV	12
* at 400 V / at 50/60 Hz / rated value * at 500 V / at 50/60 Hz / rated value * at 690 V / at 50/60 Hz / rated value * at 690 V / at 50/60 Hz / rated value * by 500 Izt value / with closed switch * for combination switch + fuse * at 400 V / maximum * at 500 V / maximum * at 690 V * for combination switch + gG fuse / maximum A²-s 3,687,500	Overvoltage class		IV
* at 500 V / at 50/60 Hz / rated value * at 690 V / at 50/60 Hz / rated value * to recombination switch + fuse * at 400 V / maximum * at 500 V / maximum * at 500 V / maximum * at 690 V * for combination switch + gG fuse / maximum * for combination switch + gG fuse / maximum * A2-s * at 400 V / maximum * A2-s * 3,687,500 * at 690 V * for combination switch + tuse * at 400 V / maximum permissible * at 400 V / maximum permissible * at 500 V / maximum permissible * at 500 V / maximum permissible * at 690 V * with combination switch +aM fuse / maximum permissible * A 61,600 * A 61,6	Operating power / at AC-23 A		
*at 690 V / at 50/60 Hz / rated value Izt value / with closed switch	• at 400 V / at 50/60 Hz / rated value	kW	280
12t value / with closed switch	• at 500 V / at 50/60 Hz / rated value	kW	355
• for combination switch + fuse • at 400 V / maximum • at 500 V / maximum • at 690 V • for combination switch + gG fuse / maximum Let-through current / with closed switch • for combination switch + fuse • at 400 V / maximum permissible • at 500 V / maximum permissible • at 690 V • with combination switch + aM fuse / maximum permissible • at 690 V • with combination switch + aM fuse / maximum permissible A 61,600 Short-time current resistance (lcw) / limited to 1 s / rated value Making capacity short-circuit current (lcm) / for switch disconnector / without fuse link / rated value / minimum Conditional short-circuit current / with line-side fuse protection • at 500 V / by gG fuse / rated value • at 690 V / by gG fuse / rated value • at 690 V / by gG fuse / rated value • at 690 V / by gG fuse / rated value • at 690 V / by gG fuse / rated value • at 690 V / by gG fuse / rated value • at 690 V / by gG fuse / rated value • at 690 V / by gG fuse / rated value Active power loss / with conventional rated thermal current / per W 15	• at 690 V / at 50/60 Hz / rated value	kW	500
 at 400 V / maximum at 500 V / maximum at 690 V for combination switch +gG fuse / maximum Let-through current / with closed switch for combination switch + fuse at 400 V / maximum permissible at 500 V / maximum permissible at 690 V with combination switch +aM fuse / maximum permissible A 61,600 A 61,	I2t value / with closed switch		
• at 500 V / maximum • at 690 V • for combination switch +gG fuse / maximum Let-through current / with closed switch • for combination switch + fuse • at 400 V / maximum permissible • at 500 V / maximum permissible • at 690 V • with combination switch +aM fuse / maximum permissible Short-time current resistance (Icw) / limited to 1 s / rated value Making capacity short-circuit current (Icm) / for switch disconnector / without fuse link / rated value / minimum Conditional short-circuit current / with line-side fuse protection • at 500 V / by gG fuse / rated value • at 690 V / by gG fuse / rated value Active power loss / with conventional rated thermal current / per W 15	• for combination switch + fuse		
• at 690 V • for combination switch +gG fuse / maximum Let-through current / with closed switch • for combination switch + fuse • at 400 V / maximum permissible • at 500 V / maximum permissible • at 690 V • with combination switch +aM fuse / maximum permissible A 61,600 Short-time current resistance (lcw) / limited to 1 s / rated value Making capacity short-circuit current (lcm) / for switch disconnector / without fuse link / rated value / minimum Conditional short-circuit current / with line-side fuse protection • at 500 V / by gG fuse / rated value • at 690 V / by gG fuse / rated value Active power loss / with conventional rated thermal current / per A 4,450,000 A 61,600 A 61,600 A 54,500 A 63 B 63 B 7 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	• at 400 V / maximum	A²-s	3,687,500
• for combination switch +gG fuse / maximum Let-through current / with closed switch • for combination switch + fuse • at 400 V / maximum permissible • at 500 V / maximum permissible • at 690 V • with combination switch +aM fuse / maximum permissible A 54,500 Short-time current resistance (lcw) / limited to 1 s / rated value Making capacity short-circuit current (lcm) / for switch disconnector / without fuse link / rated value / minimum Conditional short-circuit current / with line-side fuse protection • at 500 V / by gG fuse / rated value • at 690 V / by gG fuse / rated value Active power loss / with conventional rated thermal current / per W 15	• at 500 V / maximum	A²-s	3,687,500
Let-through current / with closed switch • for combination switch + fuse • at 400 V / maximum permissible • at 500 V / maximum permissible • at 690 V • with combination switch +aM fuse / maximum permissible A 54,500 Short-time current resistance (Icw) / limited to 1 s / rated value Making capacity short-circuit current (Icm) / for switch disconnector / without fuse link / rated value / minimum Conditional short-circuit current / with line-side fuse protection • at 500 V / by gG fuse / rated value • at 690 V / by gG fuse / rated value Active power loss / with conventional rated thermal current / per W 15	• at 690 V		
• for combination switch + fuse • at 400 V / maximum permissible • at 500 V / maximum permissible • at 690 V • with combination switch +aM fuse / maximum permissible A 54,500 Short-time current resistance (lcw) / limited to 1 s / rated value Making capacity short-circuit current (lcm) / for switch disconnector / without fuse link / rated value / minimum Conditional short-circuit current / with line-side fuse protection • at 500 V / by gG fuse / rated value • at 690 V / by gG fuse / rated value A 61,600 A 54,500 KA 30 Making capacity short-circuit current (lcm) / for switch kA 63 disconnector / without fuse link / rated value / minimum Conditional short-circuit current / with line-side fuse protection • at 500 V / by gG fuse / rated value KA 100 • at 690 V / by gG fuse / rated value KA 65 Active power loss / with conventional rated thermal current / per	• for combination switch +gG fuse / maximum	A²-s	4,450,000
at 400 V / maximum permissible at 500 V / maximum permissible at 690 V with combination switch +aM fuse / maximum permissible A 54,500 Short-time current resistance (lcw) / limited to 1 s / rated value Making capacity short-circuit current (lcm) / for switch disconnector / without fuse link / rated value / minimum Conditional short-circuit current / with line-side fuse protection at 500 V / by gG fuse / rated value A 61,600 A 54,500 KA 30 Making capacity short-circuit current (lcm) / for switch disconnector / without fuse link / rated value / minimum Conditional short-circuit current / with line-side fuse protection at 500 V / by gG fuse / rated value KA 100 Active power loss / with conventional rated thermal current / per W 15	Let-through current / with closed switch		
 at 500 V / maximum permissible at 690 V with combination switch +aM fuse / maximum permissible A 54,500 Short-time current resistance (lcw) / limited to 1 s / rated value Making capacity short-circuit current (lcm) / for switch disconnector / without fuse link / rated value / minimum Conditional short-circuit current / with line-side fuse protection at 500 V / by gG fuse / rated value A 100 at 690 V / by gG fuse / rated value Active power loss / with conventional rated thermal current / per W 15 	• for combination switch + fuse		
• at 690 V • with combination switch +aM fuse / maximum permissible A 54,500 Short-time current resistance (Icw) / limited to 1 s / rated value KA 30 Making capacity short-circuit current (Icm) / for switch disconnector / without fuse link / rated value / minimum Conditional short-circuit current / with line-side fuse protection • at 500 V / by gG fuse / rated value • at 690 V / by gG fuse / rated value KA 65 Active power loss / with conventional rated thermal current / per W 15	• at 400 V / maximum permissible	Α	61,600
with combination switch +aM fuse / maximum permissible A 54,500 Short-time current resistance (lcw) / limited to 1 s / rated value	• at 500 V / maximum permissible	Α	61,600
Short-time current resistance (lcw) / limited to 1 s / rated value	• at 690 V		
Making capacity short-circuit current (Icm) / for switch disconnector / without fuse link / rated value / minimum Conditional short-circuit current / with line-side fuse protection • at 500 V / by gG fuse / rated value • at 690 V / by gG fuse / rated value kA 65 Active power loss / with conventional rated thermal current / per W 15	• with combination switch +aM fuse / maximum permissible	Α	54,500
Conditional short-circuit current / with line-side fuse protection • at 500 V / by gG fuse / rated value • at 690 V / by gG fuse / rated value kA 65 Active power loss / with conventional rated thermal current / per W 15	Short-time current resistance (lcw) / limited to 1 s / rated value	kA	30
 at 500 V / by gG fuse / rated value at 690 V / by gG fuse / rated value kA 65 Active power loss / with conventional rated thermal current / per W 15 		kA	63
• at 690 V / by gG fuse / rated value kA 65 Active power loss / with conventional rated thermal current / per W 15	Conditional short-circuit current / with line-side fuse protection		
Active power loss / with conventional rated thermal current / per W 15	• at 500 V / by gG fuse / rated value	kA	100
	• at 690 V / by gG fuse / rated value	kA	65
pole	Active power loss / with conventional rated thermal current / per pole	W	15

Product equipment / interlock		Yes
Type of the driving mechanism / motor drive		No
Product extension / optional / motor drive		No
Design of the electrical connection / for main current circuit		flat connector
Type of connectable conductor cross-sections		
• for copper conductor / stranded / with lug		
 according to DIN 46234 		1x (25 240 mm²), 2x (25 240 mm²)
 according to DIN 46235 		1x (25 240 mm²), 2x (25 240 mm²)
Number of connected NC contacts / for auxiliary contacts		0
Number of connected NO contacts / for auxiliary contacts		0
Number of connected changeover contacts / for auxiliary contacts		0
Product extension / auxiliary switch		Yes
Number of NC contacts / for auxiliary contacts		8
Number of NO contacts / for auxiliary contacts		8
Number of changeover contacts / for auxiliary contacts		0
Acceptability for application / switch disconnector		Yes
Acceptability for application		
emergency stop switch		No
• main switch		Yes
safety cut-out switch		Yes
maintenance/repair switch		Yes
Design of the operating mechanism		manual operating mechanism
Mounting type		floor mounting
Mounting type / rail mounting		No
Mounting type / front mounting with 4-hole attachment		No
Mounting type / front mounting with central attachment		No
Type from device		fixed mounting
mounting position		any
Position / of switch operating mechanism		at the left end
Design of handle		direct handle, grey
Width	mm	320
Height	mm	235
Depth	mm	166.5
Protection class IP		IP00
• on the front		IP00
with closed switch / with cover or cable lug cover		IP20
Ambient temperature		
during operating	°C	-25 +70
during storage	°C	-50 +80

Degree of pollution		3
Mechanical operating cycles as operating time / typical		8,000
Electrical endurance (switching cycles)		
• at AC-23 A / at 690 V / at 50/60 Hz		1,000
• at DC-23 A		
• at 220 V		1,000
• at 440 V		1,000
Design of display		
 for switch position indicator manual operation 		ON-OFF-TEST
Net weight	g	9,400
Reference code / according to DIN EN 61346-2		Q
Item designation / according to DIN EN 81346-2		Q

Certificates/approvals:

General Product Approval

Declaration of Conformity





Further information:

Information- and Downloadcenter (Catalogs, Brochures,...)

http://www.siemens.com/lowvoltage/catalogs

Industry Mall (Online ordering system)

 $\underline{\text{https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3KD4442-0QE10-0}}$

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

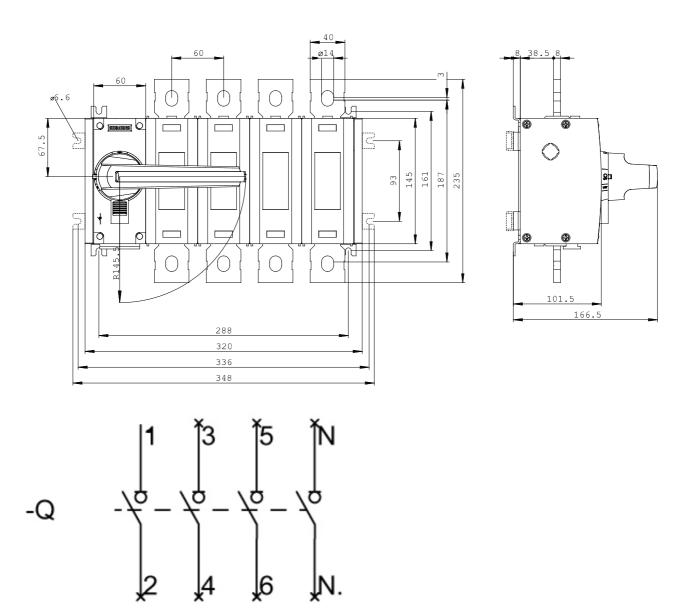
 $\underline{\text{http://support.automation.siemens.com/WW/view/en/3KD4442-0QE1}}\underline{\text{0-0/all}}$

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3KD4442-0QE10-0

CAx-Online-Generator

http://www.siemens.com/cax



last change: Apr 21, 2014