SIEMENS

Product data sheet 3KD4242-0PE10-0

SWITCH-DISCONNECTOR 400A, FRAME SIZE 3, 4-POLE FRONT OPERATING LEFT COMPLETE ASSEMBLY WITH DIRECT HANDLE GREY FLAT TERMINAL



Similar to image

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

* at 500 V / maximum * at 600 V / maximum * at 600 V / maximum * at 600 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 600 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 600 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 600 V / at 50/60 Hz / rated value / maximum * 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 * 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 * 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 * with 3 current paths in series / with DC / rated value * with 3 current paths in series / with DC / rated value * at 600 V / at 50/60 Hz / rated value * at 600 V / at 50/60 Hz / rated value * at 600 V / at 50/60 Hz / rated value * at 600 V / rated value * with combination switch +gG fuse / maximum permissible * at 600 V / rated value * with combination switch +gG fuse / rated value * with combination switch +gG fuse / rated value * with combination switch +gG fuse / rated value * with combination switch +gG fuse / rated value * with combination switch +gG fuse / rated value * with combination switch +gG fuse / rated value * with combination switch +gG fuse / rated value * with combination swi			
	• at 500 V / maximum	Α	400
* at 400 V / at 50/60 Hz / rated value / maximum	• at 690 V / maximum	Α	400
- at 500 V / at 50/60 Hz / rated value / maximum - at 680 V / at 50/60 Hz / rated value / maximum - 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 - at 500 V / at 50/60 Hz / rated value / maximum - at 50/60 Hz / rated value / maximum - at 50/60 Hz / for AC / rated value - 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 - 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 - with 3 current paths in series / with DC / rated value - with 2 overlage resistance / rated value / rated value - with 2 overlage resistance / rated value / rated value - with 2 overlage resistance / rated value / rated	• 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 A 400 * at 50/60 Hz / rated value / maximum A 350 * at 50/60 Hz / rated value / maximum A 315 Operational voltage * at 50/60 Hz / rated value / maximum A 315 Operational voltage * at 50/60 Hz / rated value / maximum A 315 Operational voltage * at 50/60 Hz / for AC / 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 paths in series / with DC / rated value * vith 400 V / rated value * vith 4 combination voltage resistance / rated value * vith 4 combination switch + fuse * at 400 V / at 50/60 Hz / rated value * vith 200 V / raximum * at 500 V / raximum * at 500 V / maximum permissible * at 690 V * vith combination switch + fuse * at 690 V * vith combination switch + fuse * at 690 V * vith combination switch + fuse * at 690 V * vith combination switch + fuse * at 690 V * vith combination switch + fuse * at 690 V * vith combination switch + fuse * at 690 V * vith combination switch + fuse * at 690 V * vith combination switch + fuse * at 690 V * vith combination switch + fuse / maximum permissible * at 690 V * vith combination switch + fuse / maximum permissible * at 690 V * vith combination switch + fuse / maximum permissible * vith combination switch + fuse / maximum permissible * vith combination switch + fuse / maximum permissible * vith combination switch + fuse / maximum permissible * vith combination switch + fuse / maximum permissible * vith combination switch + fuse / maximum permissible * vith combination switch + fuse / maximum permissible * vith combination switch + fuse / maximum permissible * vith combination switc	• at 400 V / at 50/60 Hz / rated value / maximum	Α	400
• at AC-23 A • at 400 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 690 V / at 50/60 Hz / rated value / maximum • at 690 V / at 50/60 Hz / rated value / waximum • at 50/60 Hz / for AC / rated value V 690 • with 3 current paths in series / with DC / rated value V 440 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 kW 220 • at 690 V / at 50/60 Hz / rated value kW 250 • at 690 V / at 50/60 Hz / rated value kW 315 Izt value / with closed switch • for combination switch + fuse • at 400 V / maximum • at 690 V / at ximum • at 690 V / at ximum • at 690 V / maximum • at 690 V / maximum • at 690 V / maximum • for combination switch + sqG fuse / maximum • for combination switch + sqG fuse / maximum • for combination switch + Guse • at 400 V / maximum permissible • at 690 V / waximum permissible • at 500 V / maximum permissible • at 690 V • with combination switch + sM fuse / maximum permissible • with combination switch + sM fuse / maximum permissible • with combination switch + sM fuse / maximum permissible • with combination switch + sM fuse / maximum permissible • with combination switch + sM fuse / maximum permissible • with combination switch + sM fuse / maximum permissible • with combination switch + sM fuse / maximum permissible • with combination switch + sM fuse / maximum permissible • with combination switch + sM fuse / maximum permissible • with combination switch + sM fuse / maximum permissible • wit	• at 500 V / at 50/60 Hz / rated value / maximum	Α	400
* 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 * at 500 V / at 50/60 Hz / rated value / maximum * at 50/60 Hz / for AC / 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 2 current paths in series / with DC / rated value * vith 2 current paths in series / with DC / rated value * vith 2 current paths in series / with DC / rated value * vith 2 current paths in series / with DC / rated value * vith 2 current paths in series / with DC / rated value * vith 2 current paths in series / with DC / rated value * vith 2 current paths in series / with DC / rated value * vith 2 current paths in series / with DC / rated value * vith 2 current paths in series / with Closed switch * vith combination switch + fuse * vith combination switch + sqc fuse / maximum * vith combination switch + sqc fuse / maximum * vith combination switch + fuse * vith combination switch + fuse * vith combination switch + sqc fuse / maximum permissible * vith combination switch + sqc fuse / maximum permissible * vith combination switch + sqc fuse / maximum permissible * vith combination switch + sqc fuse / maximum permissible * vith combination switch + sqc fuse / maximum permissible * vith combination switch + sqc fuse / maximum permissible * vith combination switch + sqc fuse / maximum permissible * vith combination switch + sqc fuse / maximum permissible * vith combination switch + sqc fuse / maximum permissible * vith combination switch + sqc fuse / maximum permissible * vith combination switch + sqc fuse / maximum permissible * vith combination switch + sqc fuse / maximum permissible * vith combination switch + sqc fu	• at 690 V / at 50/60 Hz / rated value / maximum	Α	400
• at 500 V / at 50/60 Hz / rated value / maximum • at 690 V / at 50/60 Hz / rated value / maximum • at 5060 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 • 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 2 value / vith 2 value / vith 50/60 Hz / rated value • at 400 V / at 50/60 Hz / rated value • at 500 V / at 50/60 Hz / rated value • at 600 V / at 50/60 Hz / rated value • vith combination switch + fuse • at 400 V / maximum • at 500 V / maximum • at 500 V / maximum • at 600 V / • for combination switch + spG fuse / maximum • at 600 V / • for combination switch + spG fuse / maximum • at 600 V / maximum permissible • at 400 V / maximum permissible • at 400 V / maximum permissible • at 600 V / maximum permissible • with combination switch + spG fuse / maximum permissible • with combination switch value / minimum Conditional 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 KA 550	• at AC-23 A		
- at 690 V / at 50/60 Hz / rated value / maximum A 315 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 Impulse voltage resistance / rated value Impulse voltage rated value V	• at 400 V / at 50/60 Hz / rated value / maximum	Α	400
Operational voltage • at 50/60 Hz / for AC / rated value • with 3 current paths in series / with DC / rated value Insulation voltage / rated value Impulse voltage resistance / rated value V 1,000 Impulse voltage resistance / rated value V 12 Overvoltage class IV Operating power / at AC-23 A • at 400 V / at 50/60 Hz / rated value • kW 220 • at 590 V / at 50/60 Hz / rated value • kW 250 • at 690 V / at 50/60 Hz / rated value • kW 315 Izt value / with closed switch • for combination switch + fuse • at 400 V / maximum • at 590 V / maximum • for combination switch +gG fuse / maximum • for combination switch +gG fuse / maximum • for combination switch +fuse • at 400 V / maximum permissible • at 400 V / maximum permissible • at 690 V / maximum permissible • with combination switch +gG fuse / maximum permissible • with combination switch +gG fuse / maximum permissible • with combination switch +gG fuse / maximum permissible • with combination switch +gG fuse / maximum permissible • with combination switch +gG fuse / maximum permissible • with combination switch +gG fuse / maximum permissible • with combination switch +gG fuse / maximum permissible • with combination switch +gG fuse / maximum permissible • with combination switch +gG fuse / maximum permissible • with combination switch +gG fuse / maximum permissible • with combination switch +gG fuse / maximum permissible • with combination switch +gG fuse / maximum permissible • with combination switch +gG fuse / maximum permissib	• at 500 V / at 50/60 Hz / rated value / maximum	Α	350
* at 50/60 Hz / for AC / rated value	• at 690 V / at 50/60 Hz / rated value / maximum	Α	315
• with 3 current paths in series / with DC / rated value V 440 Insulation voltage / rated value V 1,000 Impulse voltage resistance / rated value kV 12 Overvoltage class IV Operating power / at AC-23 A • at 400 V / at 50/60 Hz / rated value kW 220 • at 500 V / at 50/60 Hz / rated value kW 250 • at 690 V / at 50/60 Hz / rated value kW 315 Izt value / with closed switch • for combination switch + fuse • at 400 V / maximum A²-s 1,165,000 • at 500 V / maximum A²-s 1,165,000 • 167 combination switch + gG fuse / maximum A²-s 1,165,000 • at 500 V / maximum A²-s 1,157,500 • 167 combination switch + gG fuse / maximum A²-s 1,267,900 Let-through current / with closed switch • for combination switch + fuse • at 500 V / maximum permissible A 35,200 • at 500 V / maximum permissible A 35,200 • at 500 V / maximum permissible A 27,960 Short-time current resistance (low) / limited to 1 s / rated value kA 27,960 <td>Operational voltage</td> <td></td> <td></td>	Operational voltage		
Insulation voltage / rated value	• 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 • 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 • for combination switch + gG fuse / maximum • for combination switch + aM fuse / maximum • for combination switch + fuse • at 400 V / maximum • for combination switch + suse • for combination switch + gG fuse / maximum • for combination switch + gG fuse / 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 + gG fuse / maximum permissible • at 690 V • with combination switch + gG fuse / maximum permissible • with combination switch + aM fuse / maximu	• with 3 current paths in series / with DC / rated value	V	440
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 400 V / maximum • at 500 V / maximum • for combination switch +gG fuse / maximum • for combination switch + fuse • at 400 V / maximum • for combination switch +suse / 1,165,000 • at 690 V • for combination switch +gG fuse / maximum • for combination switch +suse / maximum • for combination switch +suse / maximum • for combination switch +suse / maximum • 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 +gG fuse / maximum permissible • at 500 V / maximum permissible • with combination switch +aM fuse / maximum permissible • with combination switch +suse / suse	Insulation voltage / rated value	V	1,000
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 • for combination switch + fuse • at 400 V / maximum • at 500 V / maximum • at 500 V / maximum • at 500 V / maximum • for combination switch + gG fuse / maximum • for combination switch + sM fuse / maximum • for combination switch + sM fuse / maximum • for combination switch + sM fuse / maximum • for combination switch + sM fuse / maximum • at 400 V / maximum permissible • at 400 V / maximum permissible • at 690 V • with combination switch + gG fuse / maximum permissible • at 500 V / maximum permissible • at 690 V • with combination switch + sG fuse / maximum permissible • at 500 V / maximum permissible • at 500 V / maximum permissible • with combination switch + sG fuse / maximum permissible • with combination switch + sG fuse / maximum permissible • with combination switch + sG fuse / maximum permissible • with combination switch + sG fuse / maximum permissible • With combination switch + sG fuse / maximum permissible • With combination switch + sG fuse / maximum permissible • With combination switch + sG fuse / maximum permissible • With combination switch + sG fuse / maximum permissible • With combination switch + sG fuse / maximum permissible • With combination switch + sG fuse / maximum permissible • With combination switch + sG fuse / maximum permissible • With combination switch + sG fuse / maximum permissible • With combination switch + sG fuse / maximum permissible • With combination switch + sG fuse / maximum permissible • With combination switch + sG fuse / maximum permissible • With combination switch + sG fuse / maximum permissible • With combination switch + sG fuse / maximum permissible • With combination switch + sG fuse / maximum permissible • With combination switch + sG fuse / maximum permissible • A	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 • to combination switch + fuse • at 400 V / maximum • at 500 V / maximum • at 500 V / maximum • for combination switch + gG fuse / maximum • for combination switch + suse • at 400 V / maximum • for combination switch + suse • at 690 V • for combination switch + suse / maximum • for combination switch + fuse • at 400 V / maximum permissible • at 500 V / maximum permissible • at 690 V • with combination switch + gG fuse / maximum permissible • with combination switch + suse / maximum permissible • with combination switch + suse / maximum permissible • with combination switch + suse / maximum permissible • with combination switch + suse / maximum permissible 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	Overvoltage class		IV
• at 500 V / at 50/60 Hz / rated value	Operating power / at AC-23 A		
* at 690 V / at 50/60 Hz / rated value I2t value / with closed switch	• at 400 V / at 50/60 Hz / rated value	kW	220
Let value / with closed switch	• at 500 V / at 50/60 Hz / rated value	kW	250
• for combination switch + fuse • at 400 V / maximum • at 500 V / maximum • at 690 V • for combination switch +gG fuse / maximum • for combination switch +aM fuse / maximum • for combination switch +aM fuse / maximum • for combination switch + fuse • for combination switch + fuse • at 400 V / maximum permissible • at 500 V / maximum permissible • at 690 V • with combination switch +gG fuse / maximum permissible • at 690 V • with combination switch +gG fuse / maximum permissible • with combination switch +aM fuse / maximum permissible • A 27,300 • 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 65	• at 690 V / at 50/60 Hz / rated value	kW	315
 at 400 V / maximum at 500 V / maximum at 690 V for combination switch +gG fuse / maximum for combination switch +aM fuse / maximum for combination switch +aM fuse / maximum for combination switch + fuse at 400 V / maximum permissible at 500 V / maximum permissible at 690 V with combination switch +gG fuse / maximum permissible at 690 V with combination switch +aM fuse / maximum permissible with combination switch +aM fuse / maximum permissible with combination switch +aM fuse / maximum permissible A 27,300 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 kA 65 	I2t value / with closed switch		
at 500 V / maximum at 500 V for combination switch +gG fuse / maximum for combination switch +aM fuse / maximum for combination switch +aM fuse / maximum for combination switch +fuse at 400 V / maximum permissible at 500 V / maximum permissible at 690 V with combination switch +gG fuse / maximum permissible at 690 V with combination switch +gG fuse / maximum permissible with combination switch +aM fuse / maximum permissible A 27,300 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 kA 65	• for combination switch + fuse		
• at 690 V • for combination switch +gG fuse / maximum • for combination switch +aM fuse / maximum A²-s 1,157,500 • for combination switch +aM fuse / maximum A²-s 1,267,900 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 +gG fuse / maximum permissible • with combination switch +aM fuse / maximum permissible • with combination switch +aM fuse / maximum permissible A 27,300 Short-time current resistance (lcw) / limited to 1 s / rated value KA 13 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 65	• at 400 V / maximum	A²-s	1,165,000
• for combination switch +gG fuse / maximum • for combination switch +aM fuse / maximum A²-s 1,157,500 • for combination switch +aM fuse / maximum A²-s 1,267,900 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 +gG fuse / maximum permissible • with combination switch +aM fuse / maximum permissible • with combination switch +aM fuse / maximum permissible A 27,300 Short-time current resistance (lcw) / limited to 1 s / rated value KA 13 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 500 V / maximum	A²-s	1,165,000
• for combination switch +aM fuse / maximum A²-s 1,267,900 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 +gG fuse / maximum permissible • with combination switch +aM fuse / maximum permissible • with combination switch +aM fuse / maximum permissible A 27,300 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 KA 65	• at 690 V		
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 +gG fuse / maximum permissible • with combination switch +aM fuse / maximum permissible A 27,300 • with combination switch +aM fuse / maximum permissible A 27,960 Short-time current resistance (lcw) / limited to 1 s / rated value KA 13 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	• for combination switch +gG fuse / maximum	A²·s	1,157,500
• for combination switch + fuse • at 400 V / maximum permissible • at 500 V / maximum permissible • at 690 V • with combination switch +gG fuse / maximum permissible • with combination switch +aM fuse / maximum permissible • with combination switch +aM fuse / maximum permissible • With combination switc	• for combination switch +aM fuse / maximum	A²·s	1,267,900
 • at 400 V / maximum permissible • at 500 V / maximum permissible • at 690 V • with combination switch +gG fuse / maximum permissible • with combination switch +aM fuse / maximum permissible • With combination switch +aM fuse / maximum permissible • With combination switch +aM fuse / maximum permissible • A 27,300 • With combination switch +aM fuse / maximum permissible • A 27,960 Short-time current resistance (lcw) / limited to 1 s / rated value • A 13 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 35,200 A 27,300 A 27,960 KA 26 Conditional short-circuit current / with line-side fuse protection • at 500 V / by gG fuse / rated value • A 65 	Let-through current / with closed switch		
 at 500 V / maximum permissible at 690 V with combination switch +gG fuse / maximum permissible with combination switch +aM fuse / maximum permissible with combination switch +aM fuse / maximum permissible 27,960 Short-time current resistance (lcw) / limited to 1 s / rated value kA 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 65 	• for combination switch + fuse		
* at 690 V * with combination switch +gG fuse / maximum permissible * with combination switch +aM fuse / maximum permissible * with combination switch +aM fuse / maximum permissible * A 27,300 * with combination switch +aM fuse / maximum permissible * A 27,960 Short-time current resistance (lcw) / limited to 1 s / rated value * kA 13 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 65	• at 400 V / maximum permissible	Α	35,200
 with combination switch +gG fuse / maximum permissible with combination switch +aM fuse / maximum permissible 27,300 with combination switch +aM fuse / maximum permissible 27,960 Short-time current resistance (lcw) / limited to 1 s / rated value kA 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 65 	• at 500 V / maximum permissible	Α	35,200
with combination switch +aM fuse / maximum permissible A 27,960 Short-time current resistance (lcw) / limited to 1 s / rated value kA 13 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 65	• at 690 V		
Short-time current resistance (lcw) / limited to 1 s / rated value	• with combination switch +gG fuse / maximum permissible	Α	27,300
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 kA 65	• with combination switch +aM fuse / maximum permissible	Α	27,960
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 65	Short-time current resistance (lcw) / limited to 1 s / rated value	kA	13
• at 500 V / by gG fuse / rated value kA 65		kA	26
	Conditional short-circuit current / with line-side fuse protection		
• at 690 V / by gG fuse / rated value kA 35	• at 500 V / by gG fuse / rated value	kA	65
	• at 690 V / by gG fuse / rated value	kA	35

Active power loss / with conventional rated thermal current / per	W	17
pole		
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 (6 240mm²), 2x (6 150mm²)
according to DIN 46235		1x (16 185mm²), 2x (16150MM²)
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		6
Number of NO contacts / for auxiliary contacts		6
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	234
Height	mm	164
Depth	mm	130.5
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		10,000
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	3,700
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)

https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3KD4242-0PE10-0

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

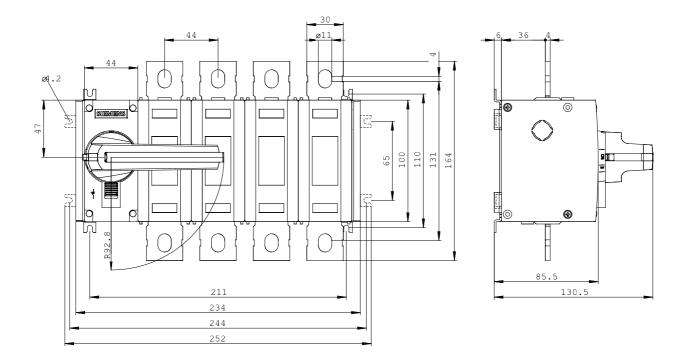
 $\underline{\text{http://support.automation.siemens.com/WW/view/en/3KD4242-0PE10-0/all}}$

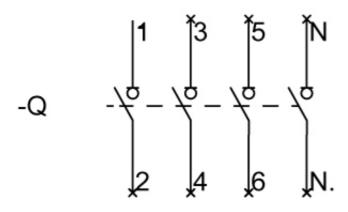
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3KD4242-0PE10-0

CAx-Online-Generator

http://www.siemens.com/cax





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