## **SIEMENS**

Product data sheet 3KD3040-0NE20-0



SWITCH-DISCONNECTOR 100A, FRAME SIZE 2, 4-POLE FRONT OPERATING CENTER BASIC UNIT WITHOUT HANDLE FLAT TERMINAL INCL. PHASE BARRIERS

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		2	
Number of poles		4	
Continuous current			
• rated value	Α	100	
• at 40 °C / rated value	Α	100	
• at 45 °C / rated value	Α	100	
• at 50 °C / rated value	Α	100	
• at 55 °C / rated value	Α	100	
• at 60 °C / rated value	Α	100	
• at 65 °C / rated value	Α	100	
• at 70 °C / rated value	Α	100	
• at DC / rated value	Α	100	
Operating current			
• at AC-21 A			
• at 400 V / maximum	Α	100	

** at 500 V / maximum			
• at AC-22 A  • at 400 V / at 50/80 Hz / rated value / maximum  • at 690 V / at 50/80 Hz / rated value / maximum  • at 690 V / at 50/80 Hz / rated value / maximum  • at 690 V / at 50/80 Hz / rated value / maximum  • at 690 V / at 50/80 Hz / rated value / maximum  • at 500 V / at 50/80 Hz / rated value / maximum  • at 690 V / at 50/80 Hz / rated value / maximum  • at 690 V / at 50/80 Hz / rated value / maximum  • at 690 V / at 50/80 Hz / rated value / maximum  • at 50/80 Hz / for AC / rated value / maximum  • at 50/80 Hz / for AC / rated value  • at 50/80 Hz / rated value  inpulse voltage resistance / rated value    V	• at 500 V / maximum	Α	100
* at 400 V / at 50/60 Hz / rated value / maximum	• at 690 V / maximum	Α	100
* 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 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 50/60 Hz / rated value / maximum     * at 50/60 Hz / for AC / rated value / maximum     * at 50/60 Hz / for AC / rated value / maximum     * 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 4 collage resistance / rated value     * vith 4 collage resistance / rated value     * vith 4 collage resistance / rated value     * vith 5 collage resistance / rated value     * vith 2 collage resistance	• 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 100 * at 50/00 V at 50/60 Hz / rated value / maximum A 100 * at 50/60 Hz / rated value / maximum A 100  Operational voltage * at 50/60 Hz / rated value / maximum A 100  Operational voltage * at 50/60 Hz / rated value A 100  Operational voltage * at 50/60 Hz / rated value A 100  Impulse voltage rated value V 440  Impulse voltage rated value Impulse voltage rated value V 1,000  Impulse voltage rated value V 55  * at 400 V / at 50/60 Hz / rated value A 1400 V / at 50/60 Hz / rated value A 1400 V / at 50/60 Hz / rated value A 1400 V / at 50/60 Hz / rated value A 1400 V / at 50/60 Hz / rated value A 1400 V / at 50/60 Hz / rated value A 1400 V / maximum A 2-8 135,600 A 1500 V / maximum A 3-8 178,300 A 1500 V / maximum permissible A 17,900 A 1600 V / maximum permissible	• at 400 V / at 50/60 Hz / rated value / maximum	Α	100
• at ACC-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 • 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 • with 30 urrent 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    V	• at 500 V / at 50/60 Hz / rated value / maximum	Α	100
- at 400 V / at 50/60 Hz / rated value / maximum	• at 690 V / at 50/60 Hz / rated value / maximum	Α	100
+ at 500 V / at 50/60 Hz / rated value / maximum	• at AC-23 A		
- at 690 V / at 50/60 Hz / frated value / maximum  A 100  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    v   440	• at 400 V / at 50/60 Hz / rated value / maximum	Α	100
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 8  Overvoltage class  III  Operating power / at AC-23 A  • at 400 V / at 50/60 Hz / rated value  kW 55  • at 500 V / at 50/60 Hz / rated value  kW 55  • at 690 V / at 50/60 Hz / rated value  kW 90  Izt value / with closed switch  • for combination switch + fuse  • at 400 V / maximum  • at 500 V / maximum  • 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 690 V  • with combination switch +gG fuse / maximum permissible  • at 690 V  • with combination switch +gG fuse / maximum permissible  • at 690 V  • with combination switch +gG fuse / maximum permissible  • at 690 V / maximum permissible  • at	• at 500 V / at 50/60 Hz / rated value / maximum	Α	100
* at 50/60 Hz / for AC / rated value	• at 690 V / at 50/60 Hz / rated value / maximum	Α	100
with 3 current paths in series / with DC / rated value	Operational voltage		
Insulation voltage / rated value  Impulse voltage resistance / rated value  Overvoltage class  Uill  Operating power / at AC-23 A  • at 400 V / at 50/60 Hz / rated value • kW 55  • at 500 V / at 50/60 Hz / rated value • kW 90  Izt value / with closed switch • for combination switch + fuse • at 400 V / maximum • at 500 V / maximum • at 500 V / maximum • for combination switch +gG fuse / maximum • for combination switch + sw	• at 50/60 Hz / for AC / rated value	V	690
Impulse voltage resistance / rated value  Overvoltage class  Uill  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 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 + suse • at 400 V / maximum • for combination switch + suse / maximum • for combination switch + suse / maximum • for combination switch + fuse • at 400 V / maximum permissible • at 500 V / maximum permissible • with combination switch + gG fuse / m	• 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 690 V / at 50/60 Hz / rated value  • at 400 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 +b fuse • at 400 V / maximum • for combination switch +aM fuse / maximum • for combination switch +aM fuse / maximum • for combination switch +a 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 +b fuse / maximum permissible • at 500 V / maximum permissible • at 500 V / maximum permissible • A 17,900 • at 690 V • with combination switch +aM fuse / maximum permissible • with combination switch +aM fuse / maximum permissible • A 18,700  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	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 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 • for combination switch + gG fuse / maximum • for combination switch + 4M fuse / maximum • for combination switch + fuse • at 400 V / maximum • for combination switch + fuse • at 400 V / maximum • for combination switch + fuse • 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 500 V / maximum permissible • at 690 V • with combination switch + gG fuse / maximum permissible • at 500 V / maximum permissible • at 690 V • with combination switch + gG fuse / maximum permissible • at 500 V / maximum permissible • A 17,600 • with combination switch + aM fuse / maximum permissible • A 18,700  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	Impulse voltage resistance / rated value	kV	8
• 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 • for combination switch + gG fuse / maximum • for combination switch + fuse • at 400 V / maximum • 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 690 V • with combination switch + gG fuse / maximum permissible • 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 • with combination switch + aM fuse / 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		III
• at 500 V / at 50/60 Hz / rated value  • at 690 V / at 50/60 Hz / rated value    Extraction   E	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	55
L2t value / with closed switch	• at 500 V / at 50/60 Hz / rated value	kW	55
• 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  A²-s 178,300  • for combination switch +aM fuse / maximum  A²-s 201,200  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 17,600  • with combination switch +aM fuse / maximum permissible  A 18,700  Short-time current resistance (lcw) / limited to 1 s / rated value  KA 12  Conditional short-circuit current / with line-side fuse protection  • at 500 V / by gG fuse / rated value  KA 100	• at 690 V / at 50/60 Hz / rated value	kW	90
<ul> <li>at 400 V / maximum</li> <li>at 500 V / maximum</li> <li>at 690 V</li> <li>for combination switch +gG fuse / maximum</li> <li>for combination switch +aM fuse / maximum</li> <li>for combination switch +aM fuse / maximum</li> <li>A²-s</li> <li>201,200</li> </ul> Let-through current / with closed switch <ul> <li>for combination switch + fuse</li> <li>at 400 V / maximum permissible</li> <li>at 500 V / maximum permissible</li> <li>at 690 V</li> <li>with combination switch +gG fuse / maximum permissible</li> <li>with combination switch +aM fuse / maximum permissible</li> <li>with combination switch +aM fuse / maximum permissible</li> <li>A 17,600</li> <li>A 18,700</li> </ul> Short-time current resistance (lcw) / limited to 1 s / rated value <ul> <li>kA</li> <li>4</li> </ul> Making capacity short-circuit current (lcm) / for switch disconnector / without fuse link / rated value / minimum Conditional short-circuit current / with line-side fuse protection <ul> <li>at 500 V / by gG fuse / rated value</li> </ul> KA 100	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  at 42-s  at 201,200  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 17,600  with combination switch +aM fuse / maximum permissible  A 18,700  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 100	• for combination switch + fuse		
• at 690 V     • for combination switch +gG fuse / maximum     • for combination switch +aM fuse / maximum     A²-s     201,200  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 17,600     • with combination switch +aM fuse / maximum permissible     A 18,700  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 100	• at 400 V / maximum	A²·s	135,600
• for combination switch +gG fuse / maximum     • for combination switch +aM fuse / maximum     A²-s     201,200  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 17,600     • with combination switch +aM fuse / maximum permissible     A 18,700  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 500 V / maximum	A²·s	135,600
• for combination switch +aM fuse / maximum     A²-s     201,200  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 17,600     • with combination switch +aM fuse / maximum permissible     A 18,700  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 100	• 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  • with combination switch +aM fuse / maximum permissible  A 17,600  • with combination switch +aM fuse / maximum permissible  A 18,700  Short-time current resistance (lcw) / limited to 1 s / rated value  kA 4  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	• for combination switch +gG fuse / maximum	A²·s	178,300
• 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 switch +aM fuse / maximum permissible     • With combination switch +aM fuse / maximum permissible     • With combination switch +aM fuse / maximum permissible     • A 17,600      • With combination switch +aM fuse / maximum permissible     • A 18,700  Short-time current resistance (Icw) / limited to 1 s / rated value  KA 4  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 100	• for combination switch +aM fuse / maximum	A²·s	201,200
<ul> <li>• at 400 V / maximum permissible</li> <li>• at 500 V / maximum permissible</li> <li>• at 690 V</li> <li>• with combination switch +gG fuse / maximum permissible</li> <li>• with combination switch +aM fuse / maximum permissible</li> <li>• With combination switch +aM fuse / maximum permissible</li> <li>• With combination switch +aM fuse / maximum permissible</li> <li>• With combination switch +aM fuse / maximum permissible</li> <li>• A 17,600</li> <li>• A 18,700</li> <li>• A 4</li> <li>• A 12</li> <li>• A</li></ul>	Let-through current / with closed switch		
<ul> <li>at 500 V / maximum permissible</li> <li>at 690 V</li> <li>with combination switch +gG fuse / maximum permissible</li> <li>with combination switch +aM fuse / maximum permissible</li> <li>at 17,600</li> <li>with combination switch +aM fuse / maximum permissible</li> <li>A 18,700</li> <li>Short-time current resistance (lcw) / limited to 1 s / rated value</li> <li>kA 4</li> <li>Making capacity short-circuit current (lcm) / for switch disconnector / without fuse link / rated value / minimum</li> <li>Conditional short-circuit current / with line-side fuse protection</li> <li>at 500 V / by gG fuse / rated value</li> <li>kA 100</li> </ul>	• 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 17,600      * With combination switch +aM fuse / maximum permissible     * A 18,700  Short-time current resistance (lcw) / limited to 1 s / rated value     * KA 4  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	• at 400 V / maximum permissible	Α	17,900
<ul> <li>with combination switch +gG fuse / maximum permissible</li> <li>with combination switch +aM fuse / maximum permissible</li> <li>18,700</li> <li>Short-time current resistance (lcw) / limited to 1 s / rated value</li> <li>Making capacity short-circuit current (lcm) / for switch disconnector / without fuse link / rated value / minimum</li> <li>Conditional short-circuit current / with line-side fuse protection</li> <li>at 500 V / by gG fuse / rated value</li> </ul>	• at 500 V / maximum permissible	Α	17,900
with combination switch +aM fuse / maximum permissible     A 18,700  Short-time current resistance (lcw) / limited to 1 s / rated value  KA 4  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	• at 690 V		
Short-time current resistance (lcw) / limited to 1 s / rated value	• with combination switch +gG fuse / maximum permissible	Α	17,600
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 100	• with combination switch +aM fuse / maximum permissible	Α	18,700
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	Short-time current resistance (lcw) / limited to 1 s / rated value	kA	4
• at 500 V / by gG fuse / rated value kA 100		kA	12
	Conditional short-circuit current / with line-side fuse protection		
• at 690 V / by gG fuse / rated value kA 65	• at 500 V / by gG fuse / rated value	kA	100
	• at 690 V / by gG fuse / rated value	kA	65

Product equipment / interlock Product equipment / interlock Product extension / optional / motor drive Product extension / optional / motor drive Design of the electrical connection / for main current circuit Type of connectable conductor cross-sections - for copper conductor / stranded / with fug - according to DIN 46234 - according to DIN 46236 - for copper busbar Number of connected NC contacts / for auxiliary contacts Number of connected NC contacts / for auxiliary contacts Number of connected NC contacts / for auxiliary contacts Number of connected changeover contacts / for auxiliary contacts Number of NC contacts / for aux			
Type of the driving mechanism / motor drive Product extension / optional / motor drive Design of the electrical connection / for main current circuit Type of connectable conductor cross-sections  * for copper conductor / stranded / with lug  * according to DIN 46235  * for copper busbar Number of connected NC contacts / for auxiliary contacts Number of connected NC contacts / for auxiliary contacts Number of connected NC contacts / for auxiliary contacts Number of connected NC auxiliary switch Number of NC contacts / for auxiliary contacts Number of changeover contacts / for auxiliary contacts Number of the contacts / for auxiliary contacts Number of the perating very switch **main switch **emergency stop switch **main switch **emergency stop switch **main switch **asilety cut-out switch **main switch **asilety cut-out switch **main swit	Active power loss / with conventional rated thermal current / per pole	W	3
Product extension / optional / motor drive  Design of the electrical connection / for main current circuit  Type of connectable conductor cross-sections  • for copper conductor / stranded / with lug  • according to DIN 46234  • according to DIN 46235  • for copper busbar  Number of connected NC contacts / for auxiliary contacts  Number of connected NC contacts / for auxiliary contacts  Number of connected NC contacts / for auxiliary contacts  Number of connected changeover contacts / for auxiliary contacts  Number of NC contacts / for auxiliary contacts  Product extension / auxiliary switch  Number of NC contacts / for auxiliary contacts  Number of NC contacts / for auxiliary contacts  Number of NC contacts / for auxiliary contacts  Acceptability for application / switch disconnector  Acceptability for application / switch disconnector  Acceptability for application  • emergency stop switch  • main switch  • main switch  • main switch  Design of the electrical connection / switch disconnection / yes  Mounting type / rail mounting  Mounting type / front mounting with 4-hole attachment  Mounting type / front mounting with central attachment  No  Mounting type / front mounting with central attachment  No  Mounting type / front mounting with central attachment  No  Position / of switch operating mechanism  Design of the electrical contacts / for auxiliary contacts  No  Mounting type / front mounting with central attachment  No  Mounting type / front mounting with central attachment  No  Position / of switch operating mechanism  ### Alse  #### Height  #### In 188  #### Protection class IP  #### In 1990	Product equipment / interlock		No
Design of the electrical connection / for main current circuit Type of connectable conductor cross-sections  * for copper conductor / stranded / with lug  * according to DIN 46234  * according to DIN 46235  * for copper busbar Number of connected NC contacts / for auxiliary contacts Number of connected NO contacts / for auxiliary contacts Number of connected changeover contacts / for auxiliary contacts Product extension / auxiliary switch Number of NC contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Number of with contacts / for auxiliary contacts Number of with contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts No contacts / for auxiliary co	Type of the driving mechanism / motor drive		No
Type of connectable conductor cross-sections  • for copper conductor / stranded / with lug  • according to DIN 46234  • according to DIN 46235  • for copper busbar  Number of connected NC contacts / for auxiliary contacts  Number of connected NO contacts / for auxiliary contacts  Number of connected changeover contacts / for auxiliary contacts  Number of connected changeover contacts / for auxiliary contacts  Number of NC contacts / for auxiliary contacts  Number of NC contacts / for auxiliary contacts  Number of NC contacts / for auxiliary contacts  Number of changeover contacts / for auxiliary contacts  Acceptability for application / switch disconnector  Acceptability for application / switch disconnector  • emergency stop switch • main switch • rapineance/repair switch  Design of the operating mechanism  Mounting type / rail mounting  Mounting type / front mounting with 4-hole attachment  Mounting type / front mounting with central attachment  No  Mounting type / front mounting with central attachment  Type from device  mounting position  Position / of switch operating mechanism  Design of handle  Width  mm 148  Height  mm 68  Protection class IP	Product extension / optional / motor drive		No
• for copper conductor / stranded / with lug • according to DIN 46234 • according to DIN 46235 • for copper busbar  Number of connected NC contacts / for auxiliary contacts  Number of connected Contacts / for auxiliary contacts  Number of connected changeover contacts / for auxiliary contacts  Product extension / auxiliary switch  Number of NC contacts / for auxiliary contacts  Number of changeover contacts / for auxiliary contacts  Acceptability for application  • emergency stop switch • nain switch • safety cut-out switch  • safety cut-out switch  • maintenance/repair switch  Design of the operating mechanism  Mounting type / rall mounting  Mounting type / front mounting with 4-hole attachment  Mounting type / front mounting with 4-hole attachment  No  Mounting type / front mounting with central attachment  No  Position / of switch operating mechanism  Design of handle  Width  mm 148  Height  mm 68  Protection class IP	Design of the electrical connection / for main current circuit		flat connector
* according to DIN 46234  * according to DIN 46235  * for copper busbar  Number of connected NC contacts / for auxiliary contacts  Number of connected NC contacts / for auxiliary contacts  Number of connected changeover contacts / for auxiliary contacts  Number of connected changeover contacts / for auxiliary contacts  Product extension / auxiliary switch  Ves  Number of NC contacts / for auxiliary contacts  Number of NC contacts / for auxiliary contacts  Number of NC contacts / for auxiliary contacts  Number of of Ocnaticats / for auxiliary contacts  Number of of connected / for auxiliary contacts  Number of of NC contacts / for auxiliary contacts  Acceptability for application / switch disconnector  **emergency stop switch  **main switch  **analitenance/repair switch  **safety cut-out switch  **main switch  **analitenance/repair switch  Design of the operating mechanism  Mounting type  Floor mounting and snap-on mounting to 35 mm standard mounting type / front mounting with 4-hole attachment  Mounting type / front mounting with 4-hole attachment  No  Mounting type / front mounting with central attachment  No  Position / of switch operating mechanism  Design of handle  Without  Mithout  Meleght  mm 148  Height  mm 168  Protection class IP	Type of connectable conductor cross-sections		
* according to DIN 46235  * for copper busbar  Number of connected NC contacts / for auxiliary contacts  Number of connected NO contacts / for auxiliary contacts  Number of connected changeover contacts / for auxiliary contacts  Number of connected changeover contacts / for auxiliary contacts  Product extension / auxiliary switch  Number of NC contacts / for auxiliary contacts  Number of NO contacts / for auxiliary contacts  Number of NO contacts / for auxiliary contacts  Number of changeover contacts / for auxiliary contacts  Acceptability for application / switch disconnector  Acceptability for application / switch disconnector  Acceptability for application  * emergency stop switch  * safety cut-out switch  * safety cut-out switch  * main switch  Design of the operating mechanism  Mounting type / rail mounting  Mounting type / front mounting with 4-hole attachment  No  Mounting type / front mounting with central attachment  No  Position / of switch operating mechanism  Design of handle  Width  ### 148  #### 168  ### 1900  ### 1900  ### 188  ### 1900  ### 19	• for copper conductor / stranded / with lug		
* for copper busbar  Number of connected NC contacts / for auxiliary contacts  Number of connected NO contacts / for auxiliary contacts  Number of connected changeover contacts / for auxiliary contacts  Product extension / auxiliary switch  Number of NC contacts / for auxiliary contacts  Number of NO contacts / for auxiliary contacts  Number of NO contacts / for auxiliary contacts  Number of NO contacts / for auxiliary contacts  Number of changeover contacts / for auxiliary contacts  Acceptability for application / switch disconnector  Acceptability for application / switch disconnector  **emergency stop switch**  **main switch**  **safety cut-out switch**  **naintenance/repair switch**  Design of the operating mechanism  Mounting type / rail mounting  Mounting type / rail mounting  Mounting type / front mounting with 4-hole attachment  No  Mounting type / front mounting with central attachment  No  Position / of switch operating mechanism  Design of handle  Width  **min 148  Height  Depth  Protection class IP  I 2 (20x3 mm²)  0  **Contacts / for auxiliary contacts  0  **O  **Contacts / for auxiliary contacts  0  **O  **Contacts / for auxiliary contacts  0  **No  No  No  **Yes  **Poor mounting and snap-on mounting to 35 mm standard mounting rail  No  No  No  **Tope from device  fixed mounting  any  after the second pole  without  Width  **min 148  Height  **Depth  **Protection class IP  **India variable view in the second pole  without  **India variable view in the second pole  **India view in the second pole  **India variable view	according to DIN 46234		1x (2.5 95 mm²), 2x (25 50 mm²)
Number of connected NC contacts / for auxiliary contacts  Number of connected NO contacts / for auxiliary contacts  Number of connected changeover contacts / for auxiliary contacts  Product extension / auxiliary switch  Number of NC contacts / for auxiliary contacts  Number of NC contacts / for auxiliary contacts  Number of NO contacts / for auxiliary contacts  Number of changeover contacts / for auxiliary contacts  Acceptability for application / switch disconnector  - cemergency stop switch  - main switch  - main switch  - maintenance/repair switch  Design of the operating mechanism  Mounting type  Mounting type / rail mounting  Mounting type / front mounting with 4-hole attachment  Mounting type / front mounting with central attachment  Type from device  mounting position  Position / of switch operating mechanism  Design of handle  Without  Width  mm 148  Height  Depth  protection class IP  POO	according to DIN 46235		1x (25 70 mm²), 2x (25 50 mm²)
Number of connected NO contacts / for auxiliary contacts  Number of connected changeover contacts / for auxiliary contacts  Product extension / auxiliary switch  Number of NC contacts / for auxiliary contacts  Number of NO contacts / for auxiliary contacts  Number of NO contacts / for auxiliary contacts  Number of changeover contacts / for auxiliary contacts  Acceptability for application / switch disconnector  Acceptability for application / switch disconnector  • emergency stop switch  • main switch  • safety cut-out switch  • maintenance/repair switch  Design of the operating mechanism  Mounting type  Bloor mounting and snap-on mounting to 35 mm standard mounting rail  Yes  Mounting type / front mounting with 4-hole attachment  No  Mounting type / front mounting with central attachment  No  Mounting position  Position / of switch operating mechanism  Design of handle  Without  Width  mm 148  Height  Depth  protection class IP	• for copper busbar		1x (20x3 mm²)
Number of connected changeover contacts / for auxiliary contacts  Product extension / auxiliary switch  Number of NC contacts / for auxiliary contacts  Number of NO contacts / for auxiliary contacts  Number of changeover contacts / for auxiliary contacts  Number of changeover contacts / for auxiliary contacts  Acceptability for application / switch disconnector  Acceptability for application / switch  • emergency stop switch  • nain switch  • safety cut-out switch  • maintenance/repair switch  Design of the operating mechanism  Mounting type  Bloor mounting and snap-on mounting to 35 mm standard mounting rail  Mounting type / front mounting with 4-hole attachment  No  Mounting type / front mounting with central attachment  Type from device  mounting position  Position / of switch operating mechanism  Design of handle  Width  mm 148  Height  Depth  mm 68  Protection class IP	Number of connected NC contacts / for auxiliary contacts		0
Product extension / auxiliary switch Number of NC contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts Number of changeover contacts / for auxiliary contacts Acceptability for application / switch disconnector Acceptability for application  • emergency stop switch • main switch • safety cut-out switch • maintenance/repair switch Pes Design of the operating mechanism Mounting type Mounting type / rail mounting Mounting type / front mounting with 4-hole attachment No Mounting type / front mounting with central attachment Type from device mounting position Position / of switch operating mechanism Design of handle Width Melight Mounting type / front mounting mechanism Design of handle Width Midth Mid	Number of connected NO contacts / for auxiliary contacts		0
Number of NC contacts / for auxiliary contacts  Number of NO contacts / for auxiliary contacts  Number of changeover contacts / for auxiliary contacts  Acceptability for application / switch disconnector  Acceptability for application  • emergency stop switch  • main switch  • safety cut-out switch  • maintenance/repair switch  Pesign of the operating mechanism  Mounting type  Mounting type / rail mounting  Mounting type / front mounting with 4-hole attachment  Type from device  mounting position  Position / of switch operating mechanism  Michael  Position / of switch operating mechanism  Without  Width  mm 148  Height  protection class IP	Number of connected changeover contacts / for auxiliary contacts		0
Number of NO contacts / for auxiliary contacts  Number of changeover contacts / for auxiliary contacts  Acceptability for application / switch disconnector  Acceptability for application  • emergency stop switch • main switch • safety cut-out switch • maintenance/repair switch  Pesign of the operating mechanism  Mounting type  Mounting type / rail mounting  Mounting type / front mounting with 4-hole attachment  Mounting type / front mounting with central attachment  Type from device  mounting position  Position / of switch operating mechanism  Design of handle  Without  No  Type front device  mounting position  Position / of switch operating mechanism  Design of handle  Without  mm 148  Height  mm 168  Protection class IP	Product extension / auxiliary switch		Yes
Number of changeover contacts / for auxiliary contacts  Acceptability for application / switch disconnector  Acceptability for application  • emergency stop switch  • main switch  • safety cut-out switch  • maintenance/repair switch  Design of the operating mechanism  Mounting type  Mounting type / rall mounting  Mounting type / front mounting with 4-hole attachment  Mounting type / front mounting with central attachment  Type from device  mounting position  Position / of switch operating mechanism  Midth  Height  Mel	Number of NC contacts / for auxiliary contacts		0
Acceptability for application / switch disconnector  Acceptability for application  • emergency stop switch  • main switch  • safety cut-out switch  • maintenance/repair switch  Design of the operating mechanism  Mounting type  Mounting type / rail mounting  Mounting type / front mounting with 4-hole attachment  Mounting type / front mounting with central attachment  Type from device  mounting position  Position / of switch operating mechanism  Midth  Height  Media Medi	Number of NO contacts / for auxiliary contacts		0
Acceptability for application  • emergency stop switch • main switch • safety cut-out switch • maintenance/repair switch  Design of the operating mechanism  Mounting type  Mounting type / rail mounting  Mounting type / front mounting with 4-hole attachment  Mounting type / front mounting with central attachment  Mounting type / front mounting with central attachment  No  Mounting type / front mounting with central attachment  No  Mounting type / front mounting with central attachment  Type from device  mounting position  Position / of switch operating mechanism  Design of handle  Width  Midth  Mid	Number of changeover contacts / for auxiliary contacts		4
emergency stop switch     main switch     safety cut-out switch     maintenance/repair switch  Pesign of the operating mechanism  Mounting type  Floor mounting and snap-on mounting to 35 mm standard mounting rail  Mounting type / rail mounting  Mounting type / front mounting with 4-hole attachment  Mounting type / front mounting with central attachment  No  Mounting type / front mounting with central attachment  Type from device  mounting position  Position / of switch operating mechanism  Design of handle  Width  mm 148  Height  Depth  Protection class IP  IP00	Acceptability for application / switch disconnector		Yes
* main switch     * safety cut-out switch     * maintenance/repair switch  Pesign of the operating mechanism  Mounting type  Mounting type / rail mounting  Mounting type / ront mounting with 4-hole attachment  Mounting type / front mounting with dentral attachment  Mounting type / front mounting with central attachment  No  Type from device  mounting position  Position / of switch operating mechanism  Design of handle  Width  mm 148  Height  Depth  Protection class IP  IP00	Acceptability for application		
* safety cut-out switch     * maintenance/repair switch  Design of the operating mechanism  Mounting type  Floor mounting and snap-on mounting to 35 mm standard mounting rail  Mounting type / rail mounting  Mounting type / front mounting with 4-hole attachment  No  Mounting type / front mounting with central attachment  No  Type from device  fixed mounting  mounting position  Position / of switch operating mechanism  Design of handle  Width  mm  148  Height  mm  168  Protection class IP  IP00	emergency stop switch		No
maintenance/repair switch      Design of the operating mechanism      Mounting type      Floor mounting and snap-on mounting to 35 mm standard mounting rail  Mounting type / rail mounting      Mounting type / front mounting with 4-hole attachment      Mounting type / front mounting with central attachment  No  Type from device      mounting position  Position / of switch operating mechanism  Design of handle  Width  mm 148  Height  mm 168  Protection class IP  Without  Without  I P00	main switch		Yes
Design of the operating mechanism  Mounting type  Floor mounting and snap-on mounting to 35 mm standard mounting rail  Yes  Mounting type / front mounting with 4-hole attachment  No  Mounting type / front mounting with central attachment  Type from device  mounting position  Position / of switch operating mechanism  Design of handle  Width  mm  148  Height  Depth  mm  68  Protection class IP	• safety cut-out switch		Yes
Mounting type   Floor mounting and snap-on mounting to 35 mm standard mounting rail  Mounting type / rail mounting   Yes   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   after the second pole   Width   mm   148   Height   mm   168   Depth   mm   68   Protection class IP   IP00	maintenance/repair switch		Yes
Mounting type / rail mounting  Mounting type / front mounting with 4-hole attachment  Mounting type / front mounting with central attachment  No  Type from device  mounting position  Position / of switch operating mechanism  Design of handle  Width  mm  148  Height  mm  168  Protection class IP  INO  No  fixed mounting  any  after the second pole  without  mm  168  IP00	Design of the operating mechanism		without
Mounting type / front mounting with 4-hole attachment  Mounting type / front mounting with central attachment  Type from device  mounting position  Position / of switch operating mechanism  Design of handle  Width  mm  148  Height  mm  168  Protection class IP  No  No  Rixed mounting  any  after the second pole  without  mm  168  IP00	Mounting type		
Mounting type / front mounting with central attachment  Type from device  mounting position  Position / of switch operating mechanism  Design of handle  Width  Midth  Mid	Mounting type / rail mounting		Yes
Type from device fixed mounting mounting position any  Position / of switch operating mechanism after the second pole  Design of handle without  Width mm 148  Height mm 168  Depth mm 68  Protection class IP IP00	Mounting type / front mounting with 4-hole attachment		No
mounting position  Position / of switch operating mechanism  Design of handle  Width  mm  148  Height  Depth  mm  68  Protection class IP  my  any  after the second pole  without  mm  148  mm  168  IP00	Mounting type / front mounting with central attachment		No
Position / of switch operating mechanism  Design of handle  Width  Height  Depth  Mm  Mm  Mm  Mm  Mm  Mm  Mm  Mm  Mm  M	Type from device		fixed mounting
Design of handle without  Width mm 148  Height mm 168  Depth mm 68  Protection class IP IP00	mounting position		any
Width         mm         148           Height         mm         168           Depth         mm         68           Protection class IP         IP00	Position / of switch operating mechanism		after the second pole
Height mm 168  Depth mm 68  Protection class IP IP00	Design of handle		without
Depth mm 68 Protection class IP IP00	Width	mm	148
Protection class IP IP00	Height	mm	168
	Depth	mm	68
• on the front IP00	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		15,000
Electrical endurance (switching cycles)		
• at AC-23 A / at 690 V / at 50/60 Hz		1,500
• at DC-23 A		
• at 220 V		1,500
• at 440 V		1,500
Design of display		
<ul> <li>for switch position indicator door-coupling rotary operating mechanism</li> </ul>		ON-OFF
Net weight	g	1,000
Reference code / according to DIN EN 61346-2		Q
Item designation / according to DIN EN 81346-2		Q

## Certificates/approvals:

General Produc	ct
Approval	

**Declaration of Conformity** 





## **Further information:**

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

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

Industry Mall (Online ordering system)

 $\underline{\text{https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3KD3040-0NE20-0}}$ 

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

http://support.automation.siemens.com/WW/view/en/3KD3040-0NE20-0/all

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

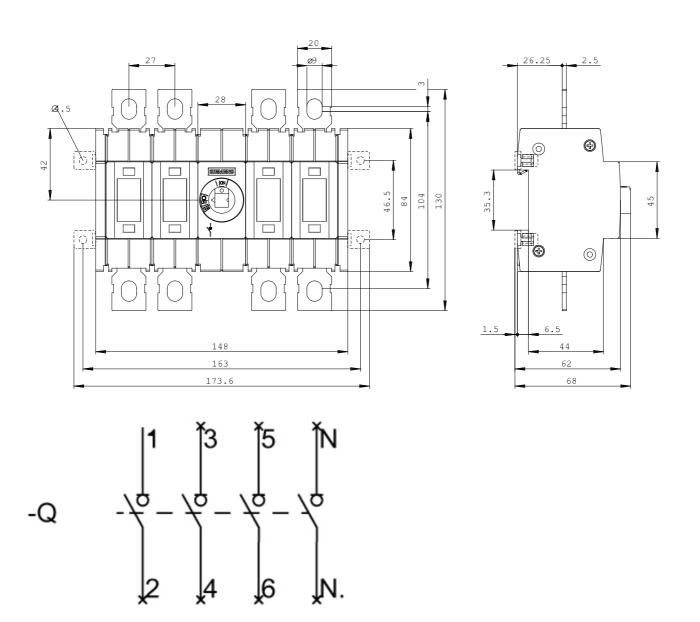
http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3KD3040-0NE20-0

**CAx-Online-Generator** 

http://www.siemens.com/cax

**Tender specifications** 

Datanorm GAEB81 GAEB83 RTF TXT



last change: Apr 21, 2014