SIEMENS

3KD3040-0NE20-0 Data sheet

> Switch disconnector 100 A, Size 2, 4-pole Front operating mechanism center Basic unit without handle flat terminal incl. phase barriers



Model	
Product brand name	SENTRON
Product designation	3KD switch disconnector
Design of the product	Switch
Display version / for switch position indicator door- coupling rotary operating mechanism	ON-OFF
Design of the operating mechanism	Without handle
Type of the driving mechanism	Front operating mechanism
Type of the driving mechanism / motor drive	No

General technical data	
Number of poles	4
Type of device	fixed mounting
Size of switch disconnector	2
Electrical endurance (switching cycles)	
• at AC-23 A / at 690 V	1 500
● at DC-23 A / at 440 V	1 500
 I2t value / with closed switch / for combination switch + fuse / at 500 V / maximum 	548 000 A²·s

 I2t value / with closed switch / for combination switch + fuse / at 400 V / maximum 	548 000 A²·s
 I2t value / with closed switch / at 415 V / for combination switch +molded case circuit breaker / maximum 	1 055 000 A²-s
 I2t value / with closed switch / at 690 V / for combination switch + gG fuse / maximum 	376 000 A²·s
 I2t value / with closed switch / at 690 V / for combination switch + aM fuse / maximum 	596 500 A²·s
 I2t value / with closed switch / at 1000 V / for combination switch +gG/aM SITOR fuse / maximum 	19 815 A²·s
 I2t value / of the fuse / at 500 V / maximum permissible 	223 005 A²·s
 I2t value / of the gG fuse / at 690 V / maximum permissible 	226 005 A²·s
 I2t value / of the gG/aM SITOR fuse / at 1000 V / maximum permissible 	48 000 A²·s
 I2t value / of the molded case circuit breaker / at 415 V / maximum permissible 	1 750 000 A²-s
Mechanical service life (switching cycles) / typical	15 000
Position / of the switch operating mechanism	after the second pole
Overvoltage in percent / relative to the operating voltage / at AC / at 400, 500, 690 V / at 50/60 Hz	10 %
Overvoltage category	III
Degree of pollution	3
Voltage	
Operating voltage / with current paths in series	
 with degree of pollution 2 / at DC / rated value 	440 V / 3
 with degree of pollution 3 / at DC / rated value 	440 V / 3
Insulation voltage	
• rated value	1 000 V
Surge voltage resistance / rated value	8 kV
Supply voltage	
Operating current / at AC / rated value	100 A
Operating voltage	
• at AC / at 50/60 Hz / rated value	1.000.1/
■ at AC / at 50/60 HZ / fated value	1 000 V
Protection class	1 000 V
	IP00
Protection class	
Protection class Protection class IP	
Protection class Protection class IP Protection class IP	IP00

Dissipation	
Power loss [W]	
 with conventional rated thermal current / per pole 	1.8 W
 with conventional rated thermal current / per device 	7.2 W
 for rated value of the current / at AC / in hot operating state / per pole 	1.8 W
Current	
Operating current	
• at AC-23 A / at 690 V / rated value	100 A
• at AC-23 A / at 500 V / rated value	100 A
• at AC-23 A / at 400 V / rated value	100 A
• at AC-22 A / at 690 V / rated value	100 A
• at AC-22 A / at 500 V / rated value	100 A
 at AC-22 A / at 400 V / rated value 	100 A
• at AC-20 A / at 1000 V / maximum	100 A
• at AC-21 A / at 400 V / rated value	100 A
• at AC-21 A / at 500 V / rated value	100 A
• at AC-21 A / at 690 V / rated value	100 A
• at AC-23 A / at 500 V / at 50/60 Hz / rated value / maximum	100 A
• at AC-22 A / at 500 V / at 50/60 Hz / rated value / maximum	100 A
• at AC-22 A / at 400 V / at 50/60 Hz / rated value / maximum	100 A
• at AC-22 A / at 690 V / at 50/60 Hz / rated value / maximum	100 A
• at AC-23 A / at 400 V / at 50/60 Hz / rated value / maximum	100 A
• at AC-23 A / at 690 V / at 50/60 Hz / rated value / maximum	100 A
Continuous current	
• rated value	100 A
• at 40 °C / rated value	100 A
• at 45 °C / rated value	100 A
• at 50 °C / rated value	100 A
• at 55 °C / rated value	100 A
• at 60 °C / rated value	100 A
• at 65 °C / rated value	100 A
• at 70 °C / rated value	100 A
Continuous current / of upstream fuse / at 500 V and 690 V / rated value	250 A

Continuous current / of upstream fuse / at 1000 V / rated value Continuous current / of upstream molded case circuit breaker / at 415 V / rated value Idet-through current / of the fuse / at 500 V / maximum permissible Idet-through current / of the aff fuse / at 690 V / maximum permissible Idet-through current / of the aff fuse / at 690 V / maximum permissible Idet-through current / of the aff fuse / at 690 V / maximum permissible Idet-through current / of the gG/aM SITOR fuse / at 600 V / maximum permissible Idet-through current / of the molded case circuit breaker / at 415 V / maximum permissible Idet-through current / of the molded case circuit breaker / at 415 V / maximum permissible Idet-through current / of the molded case circuit breaker / at 415 V / for combination switch + aff fuse / maximum permissible Idet-through current / of the molded case circuit breaker / at 415 V / for combination switch + gG fuse / maximum permissible Idet-through current / of the molded case circuit breaker / maximum permissible Idet-through current / of the molded case circuit breaker / maximum permissible Idet-through current / of the molded case circuit breaker / maximum permissible Idet-through current / of the molded case circuit breaker / maximum permissible Idet-through current / of the molded case circuit breaker / maximum permissible Idet-through current		
Operating current / at DC / rated value Operating current / of the fuse / at 500 V / maximum permissible let-through current / of the fuse / at 690 V / maximum permissible let-through current / of the af fuse / at 690 V / maximum permissible let-through current / of the aff fuse / at 690 V / maximum permissible let-through current / of the molded case circuit breaker / at 415 V / maximum permissible let-through current / of the molded case circuit breaker / at 415 V / maximum permissible let-through current / with dosed switch • at 690 V / for combination switch + aff fuse / maximum permissible • at 415 V / for combination switch + gG fuse / maximum permissible • at 415 V / for combination switch + gG fuse / maximum permissible • at 415 V / for combination switch + gG fuse / maximum permissible • at 4100 V / for combination switch + gG fuse / maximum permissible • at 1000 V / for combination switch + gG/aM SITOR fuse / maximum permissible • for combination switch + fuse / at 400 V / maximum permissible • for combination switch + fuse / at 400 V / maximum permissible • for combination switch + fuse / at 500 V / maximum permissible • for combination switch + fuse / at 500 V / maximum permissible • for combination switch + fuse / at 500 V / maximum permissible • for combination switch + fuse / at 500 V / maximum permissible • for combination switch + fuse / at 500 V / maximum permissible • for combination switch + fuse / at 500 V / maximum permissible • for combination switch + fuse / at 500 V / maximum permissible • for combination switch + fuse / at 500 V / maximum permissible • for combination switch + fuse / at 500 V / maximum permissible • for combination switch + fuse / at 500 V / maximum permissible • for combination switch + fuse / at 500 V / maximum permissible • for combination switch + fuse / at 500 V / maximum permissible • for combination switch + fuse / at 500 V / maximum permissible • for combination switch + fuse / at 500 V / maximum permissible • for combination switc		250 A
let-through current / of the fuse / at 500 V / maximum permissible let-through current / of the gG fuse / at 690 V / maximum permissible let-through current / of the aM fuse / at 690 V / maximum permissible let-through current / of the aM fuse / at 690 V / maximum permissible let-through current / of the molded case circuit breaker / at 415 V / maximum permissible let-through current / with closed switch at 690 V / for combination switch + aM fuse / maximum permissible let-through current / with closed switch at 690 V / for combination switch + aM fuse / maximum permissible at 690 V / for combination switch + gG fuse / maximum permissible at 1000 V / for combination switch + gG fuse / maximum permissible at 1000 V / for combination switch + gG/aM SITOR fuse / maximum permissible at 1000 V / for combination switch + gG/aM SITOR fuse / maximum permissible for combination switch + fuse / at 400 V / maximum permissible for combination switch + fuse / at 400 V / maximum permissible for combination switch + fuse / at 400 V / maximum permissible for combination switch + fuse / at 500 V / maximum permissible for combination switch + fuse / at 400 V / maximum permissible for combination switch + fuse / at 500 V / maximum permissible for combination switch + fuse / at 500 V / maximum permissible for combination switch + fuse / at 500 V / maximum permissible for combination switch + fuse / at 500 V / maximum permissible for combination switch + fuse / at 500 V / maximum permissible for combination switch + fuse / at 500 V / maximum permissible for combination switch + fuse / at 500 V / maximum permissible for combination switch + fuse / at 500 V / at 50/60 Hz / rated value for combination switch + fuse / at 500 V / at 50/60 Hz / rated value for combination switch + fuse / at 50/60 Hz / rated value for combination switch + fuse / at 50/60 Hz / rated value for combination switch + fuse / at 50/60 Hz / rated value for combination switch + fuse / at 50/60 Hz / rated value for combination switch + fuse / at 50/60 Hz / rated va	•	200 A
permissible let-through current / of the gG fuse / at 690 V / maximum permissible let-through current / of the aM fuse / at 690 V / maximum permissible let-through current / of the gG/aM SITOR fuse / at 12 500 A 1000 V / maximum permissible let-through current / of the molded case circuit breaker / at 415 V / maximum permissible let-through current / with closed switch • at 690 V / for combination switch + aM fuse / maximum permissible • at 690 V / for combination switch + gG fuse / maximum permissible • at 415 V / for combination switch + gG fuse / maximum permissible • at 415 V / for combination switch + gG fuse / maximum permissible • at 1000 V / for combination switch + gG/aM SITOR fuse / maximum permissible • for combination switch + fuse / at 400 V / maximum permissible • for combination switch + fuse / at 400 V / maximum permissible Short-time withstand current (low) • at 400 V AC / limited to 0.15 s / rated value Short-time withstand current (low) • at 40-23 A / at 400 V / at 50/60 Hz / rated value 15 kA Main circuit Operating power • at AC-23 A / at 690 V / at 50/60 Hz / rated value • 55 kW • at AC-23 A / at 690 V / at 50/60 Hz / rated value • 100 A Auxiliary circuit Number of connected NC contacts / for auxiliary contacts Number of connected CO contacts / for auxiliary contacts Number of connected CO contacts / for auxiliary contacts Number of connected CO contacts / for auxiliary contacts	Operating current / at DC / rated value	100 A
maximum permissible let-through current / of the aM fuse / at 690 V / maximum permissible let-through current / of the gG/aM SITOR fuse / at 1000 V / maximum permissible let-through current / of the molded case circuit breaker / at 415 V / maximum permissible let-through current / with closed switch • at 690 V / for combination switch + aM fuse / maximum permissible • at 690 V / for combination switch + gG fuse / maximum permissible • at 415 V / for combination switch + gG fuse / maximum permissible • at 415 V / for combination switch + fuse / at 415 V / for combination switch + fuse / at 415 V / for combination switch + fuse / at 415 V / for combination switch + fuse / at 41000 V / for combination switch + fuse / at 4000 V / for combination switch + fuse / at 4000 V / maximum permissible • for combination switch + fuse / at 4000 V / maximum permissible • for combination switch + fuse / at 4000 V / maximum permissible Short-time withstand current (fcw) • at 400 V AC / limited to 0.15 s / rated value 15 kA Main circuit Operating power • at AC-23 A / at 690 V / at 50/60 Hz / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value • at AC-23 A / at 690 V /	_	25 700 A
maximum permissible iel-Ihrough current / of the gG/aM SITOR fuse / at 1000 V / maximum permissible iel-Ihrough current / of the molded case circuit breaker / at 415 V / maximum permissible iel-Ihrough current / with closed switch • at 690 V / for combination switch + aM fuse / maximum permissible • at 690 V / for combination switch + gG fuse / maximum permissible • at 415 V / for combination switch + gG fuse / maximum permissible • at 1415 V / for combination switch + molded case circuit breaker / maximum permissible • at 1000 V / for combination switch + fuse / at 690 M SITOR fuse / maximum permissible • for combination switch + fuse / at 400 V / maximum permissible • for combination switch + fuse / at 500 V / maximum permissible • for combination switch + fuse / at 500 V / maximum permissible Short-time withstand current (fcw) • at 400 V AC / limited to 0.15 s / rated value 15 kA	-	29 500 A
let-through current / of the molded case circuit breaker / at 415 V / maximum permissible let-through current / with closed switch • at 690 V / for combination switch + aM fuse / maximum permissible • at 690 V / for combination switch + gG fuse / maximum permissible • at 415 V / for combination switch + gG fuse / maximum permissible • at 415 V / for combination switch + molded case circuit breaker / maximum permissible • at 1000 V / for combination switch + gG/aM SITOR fuse / maximum permissible • for combination switch + fuse / at 400 V / maximum permissible • for combination switch + fuse / at 400 V / maximum permissible • for combination switch + fuse / at 500 V / maximum permissible Short-time withstand current (Icw) • at 400 V AC / limited to 0.15 s / rated value 15 kA Main circuit Operating power • at AC-23 A / at 690 V / at 50/60 Hz / rated value • at AC-23 A / at 690 V / at 50/60		32 900 A
breaker Î at 415 V / maximum permissible let-through current / with closed switch • at 690 V / for combination switch + aM fuse / maximum permissible • at 690 V / for combination switch + gG fuse / maximum permissible • at 415 V / for combination switch + molded case circuit breaker / maximum permissible • at 1100 V / for combination switch + gG/aM SITOR fuse / maximum permissible • for combination switch + fuse / at 400 V / maximum permissible • for combination switch + fuse / at 500 V / maximum permissible • for combination switch + fuse / at 500 V / maximum permissible Short-time withstand current (Icw) • at 400 V AC / limited to 0.15 s / rated value Operating power • at AC-23 A / at 400 V / at 50/60 Hz / rated value • at AC-23 A / at 690 V / at 50		12 500 A
at 690 V / for combination switch + aM fuse / maximum permissible at 690 V / for combination switch + gG fuse / maximum permissible at 415 V / for combination switch + molded case circuit breaker / maximum permissible at 415 V / for combination switch + molded case circuit breaker / maximum permissible at 1000 V / for combination switch + gG/aM SITOR fuse / maximum permissible for combination switch + fuse / at 400 V / maximum permissible for combination switch + fuse / at 500 V / maximum permissible Short-time withstand current (Icw) at 400 V AC / limited to 0.15 s / rated value Short-time withstand current (Icw) at AC-23 A / at 400 V / at 50/60 Hz / rated value at AC-23 A / at 500 V / rated value at AC-23 A / at 690 V / at 50/60 Hz / rated value at AC-23 A / at 690 V / at 50/60 Hz / rated value Auxiliary circuit Number of connected NC contacts / for auxiliary contacts Number of connected NO contacts / for auxiliary contacts Number of connected CO contacts / for auxiliary contacts Number of connected CO contacts / for auxiliary contacts Number of connected CO contacts / for auxiliary contacts	<u> </u>	28 000 A
maximum permissible • at 690 V / for combination switch + gG fuse / maximum permissible • at 415 V / for combination switch + molded case circuit breaker / maximum permissible • at 1000 V / for combination switch + gG/aM 10 795 A SITTOR fuse / maximum permissible • for combination switch + fuse / at 400 V / 27 700 A maximum permissible • for combination switch + fuse / at 500 V / 27 700 A maximum permissible • for combination switch + fuse / at 500 V / 27 700 A maximum permissible Short-time withstand current (Icw) • at 400 V AC / limited to 0.15 s / rated value 15 kA Main circuit Operating power • at AC-23 A / at 400 V / at 50/60 Hz / rated value 55 kW • at AC-23 A / at 500 V / rated value 90 kW Operating current / rated value 100 A Auxiliary circuit Number of connected NC contacts / for auxiliary contacts Number of connected CO contacts / for auxiliary contacts Number of connected CO contacts / for auxiliary contacts Number of connected CO contacts / for auxiliary contacts	let-through current / with closed switch	
maximum permissible • at 415 V / for combination switch +molded case circuit breaker / maximum permissible • at 1000 V / for combination switch +gG/aM SITOR fuse / maximum permissible • for combination switch +fuse / at 400 V / maximum permissible • for combination switch + fuse / at 500 V / maximum permissible • for combination switch + fuse / at 500 V / maximum permissible Short-time withstand current (lcw) • at 400 V AC / limited to 0.15 s / rated value Derating power • at AC-23 A / at 400 V / at 50/60 Hz / rated value • at AC-23 A / at 500 V / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value Operating current / rated value Derating current / rated value Operating current / rated value Operating current / rated value Operating corrent / rated value Number of connected NC contacts / for auxiliary contacts Number of connected CO contacts / for auxiliary contacts Number of connected CO contacts / for auxiliary contacts Number of connected CO contacts / for auxiliary contacts		17 600 A
circuit breaker / maximum permissible • at 1000 V / for combination switch +gG/aM SITOR fuse / maximum permissible • for combination switch + fuse / at 400 V / maximum permissible • for combination switch + fuse / at 500 V / maximum permissible • for combination switch + fuse / at 500 V / maximum permissible Short-time withstand current (Icw) • at 400 V AC / limited to 0.15 s / rated value Main circuit Operating power • at AC-23 A / at 400 V / at 50/60 Hz / rated value • at AC-23 A / at 500 V / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value Operating current / rated value 100 A Auxiliary circuit Number of connected NC contacts / for auxiliary contacts Number of connected CO contacts / for auxiliary contacts Number of connected CO contacts / for auxiliary contacts Number of connected CO contacts / for auxiliary contacts	_	23 700 A
SITOR fuse / maximum permissible • for combination switch + fuse / at 400 V / maximum permissible • for combination switch + fuse / at 500 V / maximum permissible • for combination switch + fuse / at 500 V / maximum permissible Short-time withstand current (Icw) • at 400 V AC / limited to 0.15 s / rated value 15 kA Main circuit Operating power • at AC-23 A / at 400 V / at 50/60 Hz / rated value • at AC-23 A / at 500 V / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value • at AC-23 Current / rated value 100 A Auxiliary circuit Number of connected NC contacts / for auxiliary contacts Number of connected NO contacts / for auxiliary contacts Number of connected CO contacts / for auxiliary contacts Number of connected CO contacts / for auxiliary contacts Number of connected CO contacts / for auxiliary contacts		21 700 A
maximum permissible • for combination switch + fuse / at 500 V / maximum permissible Short-time withstand current (Icw) • at 400 V AC / limited to 0.15 s / rated value 15 kA Main circuit Operating power • at AC-23 A / at 400 V / at 50/60 Hz / rated value • at AC-23 A / at 500 V / rated value • at AC-23 A / at 500 V / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value Operating current / rated value 100 A Auxiliary circuit Number of connected NC contacts / for auxiliary contacts Number of connected NO contacts / for auxiliary contacts Number of connected CO contacts / for auxiliary contacts O contacts		10 795 A
maximum permissible Short-time withstand current (Icw) • at 400 V AC / limited to 0.15 s / rated value Main circuit Operating power • at AC-23 A / at 400 V / at 50/60 Hz / rated value • at AC-23 A / at 500 V / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value Operating current / rated value 100 A Auxiliary circuit Number of connected NC contacts / for auxiliary contacts Number of connected NO contacts / for auxiliary contacts Number of connected CO contacts / for auxiliary contacts Number of connected CO contacts / for auxiliary contacts Number of connected CO contacts / for auxiliary contacts		27 700 A
at 400 V AC / limited to 0.15 s / rated value Main circuit Operating power at AC-23 A / at 400 V / at 50/60 Hz / rated value at AC-23 A / at 500 V / rated value at AC-23 A / at 690 V / at 50/60 Hz / rated value Operating current / rated value Operating current / rated value Auxiliary circuit Number of connected NC contacts / for auxiliary contacts Number of connected NO contacts / for auxiliary contacts Number of connected CO contacts / for auxiliary contacts Output Description: 15 kW 55 kW 90 kW Operating current / rated value 100 A 100 A Auxiliary circuit Number of connected NO contacts / for auxiliary contacts Output Output Description: Descri		27 700 A
Main circuit Operating power • at AC-23 A / at 400 V / at 50/60 Hz / rated value • at AC-23 A / at 500 V / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value 90 kW Operating current / rated value 100 A Auxiliary circuit Number of connected NC contacts / for auxiliary contacts Number of connected NO contacts / for auxiliary contacts Number of connected CO contacts / for auxiliary contacts Number of connected CO contacts / for auxiliary contacts Output Description:	Short-time withstand current (Icw)	
Operating power • at AC-23 A / at 400 V / at 50/60 Hz / rated value 55 kW • at AC-23 A / at 500 V / rated value 55 kW • at AC-23 A / at 690 V / at 50/60 Hz / rated value 90 kW Operating current / rated value 100 A Auxiliary circuit Number of connected NC contacts / for auxiliary contacts Number of connected NO contacts / for auxiliary contacts Number of connected CO contacts / for auxiliary contacts Number of connected CO contacts / for auxiliary contacts Output Description:	• at 400 V AC / limited to 0.15 s / rated value	15 kA
Operating power • at AC-23 A / at 400 V / at 50/60 Hz / rated value 55 kW • at AC-23 A / at 500 V / rated value 55 kW • at AC-23 A / at 690 V / at 50/60 Hz / rated value 90 kW Operating current / rated value 100 A Auxiliary circuit Number of connected NC contacts / for auxiliary contacts Number of connected NO contacts / for auxiliary contacts Number of connected CO contacts / for auxiliary contacts Number of connected CO contacts / for auxiliary contacts Output Description:	Main circuit	
at AC-23 A / at 500 V / rated value at AC-23 A / at 690 V / at 50/60 Hz / rated value Operating current / rated value 100 A Auxiliary circuit Number of connected NC contacts / for auxiliary contacts Number of connected NO contacts / for auxiliary contacts Number of connected CO contacts / for auxiliary contacts Number of connected CO contacts / for auxiliary contacts Occupants Occup		
at AC-23 A / at 690 V / at 50/60 Hz / rated value Operating current / rated value 100 A Auxiliary circuit Number of connected NC contacts / for auxiliary contacts Number of connected NO contacts / for auxiliary contacts Number of connected CO contacts / for auxiliary contacts Number of connected CO contacts / for auxiliary contacts Output Description:	• at AC-23 A / at 400 V / at 50/60 Hz / rated value	55 kW
Operating current / rated value Auxiliary circuit Number of connected NC contacts / for auxiliary contacts Number of connected NO contacts / for auxiliary contacts Number of connected CO contacts / for auxiliary contacts Number of connected CO contacts / for auxiliary contacts	• at AC-23 A / at 500 V / rated value	55 kW
Auxiliary circuit Number of connected NC contacts / for auxiliary contacts Number of connected NO contacts / for auxiliary contacts Number of connected CO contacts / for auxiliary contacts Number of connected CO contacts / for auxiliary contacts	• at AC-23 A / at 690 V / at 50/60 Hz / rated value	90 kW
Number of connected NC contacts / for auxiliary contacts Number of connected NO contacts / for auxiliary contacts Number of connected CO contacts / for auxiliary contacts Number of connected CO contacts / for auxiliary contacts	Operating current / rated value	100 A
Contacts Number of connected NO contacts / for auxiliary contacts Number of connected CO contacts / for auxiliary contacts O	Auxiliary circuit	
contacts Number of connected CO contacts / for auxiliary contacts 0	•	0
contacts	•	0
Number of CO contacts / for auxiliary contacts 4		0
	Number of CO contacts / for auxiliary contacts	4

Number of NC contacts / for auxiliary contacts	0
Number of NO contacts / for auxiliary contacts	0
·	
Suitability	
Suitability for use	V
Main switch	Yes
switch disconnector	Yes
 EMERGENCY OFF switch 	Yes
• safety switch	Yes
maintenance/repair switch	Yes
Product details	
Product feature / interlock	No
Product component	
Trip indicator	No
Voltage trigger	No
undervoltage release	No
 undervoltage release with leading contact 	No
Product extension / Auxiliary switch	Yes
Product extension / optional	
motor drive	No
Voltage trigger	No
Short circuit	
Short circuit Short-time withstand current (Icw) / at AC 1000 V/DC	4 kA
	4 kA
Short-time withstand current (Icw) / at AC 1000 V/DC	4 kA
Short-time withstand current (Icw) / at AC 1000 V/DC 440 V / limited to 1 s / rated value	4 kA 30 kA
Short-time withstand current (Icw) / at AC 1000 V/DC 440 V / limited to 1 s / rated value Short-circuit current making capacity (Icm) • for switch disconnector / at 400 V AC / without	
Short-time withstand current (Icw) / at AC 1000 V/DC 440 V / limited to 1 s / rated value Short-circuit current making capacity (Icm) • for switch disconnector / at 400 V AC / without fuse link / rated value / minimum • for switch disconnector / at 1000 V AC / without	30 kA
Short-time withstand current (Icw) / at AC 1000 V/DC 440 V / limited to 1 s / rated value Short-circuit current making capacity (Icm) • for switch disconnector / at 400 V AC / without fuse link / rated value / minimum • for switch disconnector / at 1000 V AC / without fuse link / rated value / minimum • for switch disconnector / at DC 440 V / without	30 kA 12 kA
Short-time withstand current (Icw) / at AC 1000 V/DC 440 V / limited to 1 s / rated value Short-circuit current making capacity (Icm) • for switch disconnector / at 400 V AC / without fuse link / rated value / minimum • for switch disconnector / at 1000 V AC / without fuse link / rated value / minimum • for switch disconnector / at DC 440 V / without fuse link / rated value / minimum • for switch disconnector / without fuse link /	30 kA 12 kA 12 kA
Short-time withstand current (Icw) / at AC 1000 V/DC 440 V / limited to 1 s / rated value Short-circuit current making capacity (Icm) • for switch disconnector / at 400 V AC / without fuse link / rated value / minimum • for switch disconnector / at 1000 V AC / without fuse link / rated value / minimum • for switch disconnector / at DC 440 V / without fuse link / rated value / minimum • for switch disconnector / without fuse link / rated value / minimum Conditional short-circuit current / with line-side fuse	30 kA 12 kA 12 kA
Short-time withstand current (Icw) / at AC 1000 V/DC 440 V / limited to 1 s / rated value Short-circuit current making capacity (Icm) • for switch disconnector / at 400 V AC / without fuse link / rated value / minimum • for switch disconnector / at 1000 V AC / without fuse link / rated value / minimum • for switch disconnector / at DC 440 V / without fuse link / rated value / minimum • for switch disconnector / without fuse link / rated value / minimum Conditional short-circuit current / with line-side fuse protection • at 415 V / by molded case circuit breaker /	30 kA 12 kA 12 kA 12 kA
Short-time withstand current (Icw) / at AC 1000 V/DC 440 V / limited to 1 s / rated value Short-circuit current making capacity (Icm) • for switch disconnector / at 400 V AC / without fuse link / rated value / minimum • for switch disconnector / at 1000 V AC / without fuse link / rated value / minimum • for switch disconnector / at DC 440 V / without fuse link / rated value / minimum • for switch disconnector / without fuse link / rated value / minimum Conditional short-circuit current / with line-side fuse protection • at 415 V / by molded case circuit breaker / rated value	30 kA 12 kA 12 kA 12 kA
Short-time withstand current (Icw) / at AC 1000 V/DC 440 V / limited to 1 s / rated value Short-circuit current making capacity (Icm) • for switch disconnector / at 400 V AC / without fuse link / rated value / minimum • for switch disconnector / at 1000 V AC / without fuse link / rated value / minimum • for switch disconnector / at DC 440 V / without fuse link / rated value / minimum • for switch disconnector / without fuse link / rated value / minimum Conditional short-circuit current / with line-side fuse protection • at 415 V / by molded case circuit breaker / rated value • at 500 V / by gG fuse / rated value • at 690 V / by gG fuse / rated value	30 kA 12 kA 12 kA 12 kA 100 kA
Short-time withstand current (Icw) / at AC 1000 V/DC 440 V / limited to 1 s / rated value Short-circuit current making capacity (Icm) • for switch disconnector / at 400 V AC / without fuse link / rated value / minimum • for switch disconnector / at 1000 V AC / without fuse link / rated value / minimum • for switch disconnector / at DC 440 V / without fuse link / rated value / minimum • for switch disconnector / without fuse link / rated value / minimum Conditional short-circuit current / with line-side fuse protection • at 415 V / by molded case circuit breaker / rated value • at 500 V / by gG fuse / rated value • at 690 V / by gG fuse / rated value Connections	30 kA 12 kA 12 kA 12 kA 100 kA
Short-time withstand current (Icw) / at AC 1000 V/DC 440 V / limited to 1 s / rated value Short-circuit current making capacity (Icm) • for switch disconnector / at 400 V AC / without fuse link / rated value / minimum • for switch disconnector / at 1000 V AC / without fuse link / rated value / minimum • for switch disconnector / at DC 440 V / without fuse link / rated value / minimum • for switch disconnector / without fuse link / rated value / minimum Conditional short-circuit current / with line-side fuse protection • at 415 V / by molded case circuit breaker / rated value • at 500 V / by gG fuse / rated value • at 690 V / by gG fuse / rated value	30 kA 12 kA 12 kA 12 kA 100 kA

Type of connectable conductor cross-sections	
• for copper busbar	'1x (20x3 mm²)
Type of connectable conductor cross-sections / for copper conductor	
• stranded / with lug / acc. to DIN 46235	1x (25 70 mm²), 2x (25 50 mm²)
Type of electrical connection	
for main current circuit	flat connector

Mechanical Design	
Height	168 mm
Width	148 mm
Depth	68 mm
Mounting type	Screw fixing and standard rail mounting 35 mm
Mounting type	
front mounting with 4-hole attachment	No
 front mounting with central attachment 	No
● rail mounting	Yes
Mounting position	any
Net weight	1 311 g

Environmental conditions	
Ambient temperature / during operation	
• minimum	-25 °C
• maximum	70 °C
Ambient temperature / during storage	
• minimum	-50 °C
• maximum	80 °C

Certificates	
Reference code	
● acc. to DIN EN 61346-2	Q
● acc. to DIN EN 81346-2	Q

General Product Approval		Declaration of Conformity	Shipping Ap- proval	other	
	^	Miscellaneous			Miscellaneous





EG-Konf.



Information- and Downloadcenter (Catalogs, Brochures,...) http://www.siemens.com/lowvoltage/catalogs

Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3KD3040-0NE20-0

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

https://support.industry.siemens.com/cs/ww/en/ps/3KD3040-0NE20-0

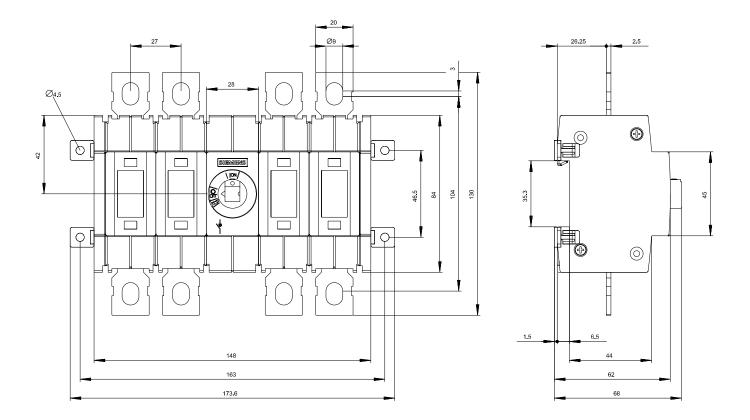
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3KD3040-0NE20-0

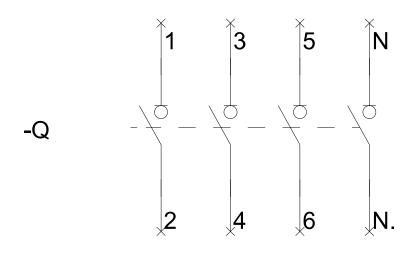
CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications





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