## **SIEMENS**

Product data sheet 3KD5240-0RE10-0

SWITCH-DISCONNECTOR 1250A, FRAME SIZE 5, 4-POLE FRONT OPERATING LEFT BASIC UNIT WITHOUT HANDLE 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		5		
Number of poles		4		
Continuous current				
• rated value	Α	1,250		
• at 40 °C / rated value	Α	1,250		
• at 45 °C / rated value	Α	1,250		
• at 50 °C / rated value	Α	1,250		
• at 55 °C / rated value	Α	1,250		
• at 60 °C / rated value	Α	1,250		
• at 65 °C / rated value	Α	1,250		
• at 70 °C / rated value	Α	1,250		
at DC / rated value	Α	1,250		
Operating current				
• at AC-21 A				
• at 400 V / maximum	Α	1,250		

• at 500 V / maximum	Α	1,250
• at 690 V / maximum	Α	1,250
• at AC-22 A		
• at 400 V / at 50/60 Hz / rated value / maximum	Α	1,250
• at 500 V / at 50/60 Hz / rated value / maximum	Α	1,250
• at 690 V / at 50/60 Hz / rated value / maximum	А	1,250
• at AC-23 A		
• at 400 V / at 50/60 Hz / rated value / maximum	Α	800
• at 500 V / at 50/60 Hz / rated value / maximum	Α	800
• at 690 V / at 50/60 Hz / rated value / maximum	Α	800
Operational voltage		
• 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	kV	12
Overvoltage class		IV
Operating power / at AC-23 A		
• at 400 V / at 50/60 Hz / rated value	kW	400
• at 500 V / at 50/60 Hz / rated value	kW	560
• at 690 V / at 50/60 Hz / rated value	kW	800
I2t value / with closed switch		
• for combination switch + fuse		
• at 400 V / maximum	A²·s	25,960,000
• at 500 V / maximum	A²·s	25,960,000
Let-through current / with closed switch		
• for combination switch + fuse		
• at 400 V / maximum permissible	А	103,400
at 500 V / maximum permissible	А	103,400
Short-time current resistance (lcw) / limited to 1 s / rated value	kA	50
Making capacity short-circuit current (lcm) / for switch disconnector / without fuse link / rated value / minimum	kA	105
Conditional short-circuit current / with line-side fuse protection		
• at 500 V / by gG fuse / rated value	kA	80
Active power loss / with conventional rated thermal current / per pole	W	70
Product equipment / interlock		No
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		

To copper conductor / stranded / with lug			
- according to DIN 48235 - for copper busbar  Number of connected NC contacts / for auxiliary contacts  Number of connected changeover contacts / for auxiliary contacts  Number of connected changeover contacts / for auxiliary contacts  Number of nonected 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  Number of NC contacts / for auxiliary contacts  Number of changeover contacts / for auxiliary contacts  Number of changeover contacts / for auxiliary contacts  Number of changeover contacts / for auxiliary contacts  Number of NC contacts / for auxiliary contacts  No No  No N			
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 Number of NC contacts / for auxiliary contacts Number of changeover contacts / for auxiliary contacts Number of NC changeover contacts / for auxiliary contacts Number of NC changeover contacts / for auxiliary contacts Number of NC changeover contacts / for auxiliary contacts Number of NC changeover contacts / for auxiliary contacts Number of NC changeover contacts / for auxiliary contacts Number of NC changeover contacts / for auxiliary contacts Number of NC changeover contacts / for auxiliary contacts Number of NC changeover contacts / for auxiliary contacts Number of NC changeover contacts / for auxiliary contacts Number of NC changeover contacts / for auxiliary contacts Number of NC changeover contacts / for auxiliary contacts Number of NC changeover contacts / for auxiliary contacts Number of NC changeover contacts / for auxiliary contacts Number of NC changeover contacts / for auxiliary contacts Number of NC changeover contacts / for auxiliary contacts Number of NC changeover contacts / for auxiliary contacts Number of NC changeover of NC changeover / for some of NC changeover / for NC chang			
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 Product extension / auxiliary switch Number of NC contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts Number of changeover contacts / for auxiliary contacts Number of changeover contacts / for auxiliary contacts Number of changeover contacts / for auxiliary contacts Acceptability for application • emergency stop switch • main switch • safety cut-out switch • main switch • safety cut-out switch • maintenance/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 Type from device    fixed mounting   fixed mounting   without   fixed mounting   without   without   without   without   without   without   without   mm	according to DIN 46235		1x (120 240 mm²), 2x (95 240 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 Acceptability for application / switch disconnector Acceptability for application / switch disconnector  - menregnery stop switch - main switch - safety cut-out switch - maintenance/repair switch Pesign of the operating mechanism Without Mounting type / rail mounting Mounting type / front mounting with 4-hole attachment No Mounting type / front mounting with 4-hole attachment Nounting type / front mounting with central attachment Type from device - fixed mounting Position / of switch operating mechanism - atthe left end  Design of handle Width - mm 472 Height - mm 310 Depth - mm 152.5  Protection class IP - on the front - with closed switch / with cover or cable lug cover  Ambient temperature - during operating - vc 25 +70 - vc 25 +80 - during operating cycles as operating time / typical  Electrical endurance (switching cycles)	for copper busbar		2x (60x10 mm²)
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 changeover contacts / for auxiliary contacts  Number of changeover contacts / for auxiliary contacts  Acceptability for application / switch disconnector  Acceptability for application  - emergency stop switch - main switch  - main switch - maintenance/repair switch  Posign 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  Position / of switch operating mechanism  Design of handle  Width  mm 472  Protection class IP - on the front - with closed switch / with cover or cable lug cover  Ambient temperature - during operating - during operating - during operating - cy - 50 +80  Pogree of politution  Mechanical operating cycles as operating time / typical  Electrical endurance (switching cycles)	Number of connected NC contacts / for auxiliary contacts		0
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 changeover contacts / for auxiliary contacts Acceptability for application / switch disconnector  - emergency stop switch - main switch - main switch - main switch - main switch - maintenance/repair switch - maintenance/repair switch - maintenance/repair switch  - maintenance/repair switch  - mounting type - floor mounting - Mounting type / rail mounting - Mounting type / front mounting with 4-hole attachment - Type front device - mounting position - position / of switch operating mechanism - without switch - position / of switch operating mechanism - without in the first - position / of switch operating mechanism - position / of switch operating /	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  • main switch  • maintenance/repair switch  Design of the operating mechanism  Mounting type  floor mounting  Mounting type / front mounting with 4-hole attachment  No  Mounting type / front mounting with central attachment  No  Type from device  mounting position  Design of switch operating mechanism  at the left end  without  Width  mm 472  Height  Design of switch operating mechanism  position / of switch operating mechanism  munting type / front mounting with - for the left end  without  Width  mm 472  Height  popth  Protection class IP  • on the front  • with closed switch / with cover or cable lug cover  Ambient temperature  • during operating  • during operating  • during operating cycles as operating time / typical  Electrical endurance (switching cycles)	-		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  Design of the operating mechanism  Mounting type  Mounting type / front mounting with 4-hole attachment Mounting type / front mounting with 4-hole attachment No  Type from device - mounting position  Design of handle  Width - maintenance/repair switch  No  Mounting type / front mounting with 4-hole attachment No  Type from device - fixed mounting - mounting position  Design of handle  Width - mm 472  Height - on the front - with closed switch / with cover or cable lug cover  Ambient temperature - during poparating - during storage - "C -55+70 - during storage - "C -50+80  Degree of pollution  Mechanical operating cycles as operating time / typical  Electrical endurance (switching cycles)	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 / roll 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  Beign of handle  Width  Height  Depth  Protection class IP  • on the front  • with closed switch / with cover or cable lug cover  Ambient temperature  • during storage  **C 25 +70  • during storage  Degree of pollution  Mechanical operating cycles as operating time / typical  Electrical endurance (switching cycles)	Number of NC contacts / for auxiliary contacts		8
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 / front mounting with 4-hole attachment  Mounting type / front mounting with central attachment  Mounting type / front mounting with central attachment  Mounting type / front mounting with central attachment  Mounting type / front device  mounting position  Position / of switch operating mechanism  Design of handle  Width  Height  Depth  Protection class IP  • on the front  • with closed switch / with cover or cable lug cover  Ambient temperature  • during operating  • during storage  Pere of pollution  Mechanical operating cycles as operating time / typical  Electrical endurance (switching cycles)  Withou  No  Yes  No  No  No  No  No  No  No  No  No  N	Number of NO contacts / for auxiliary contacts		8
Acceptability for application  • emergency stop switch • main switch • safety cut-out switch • maintenance/repair 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  Width  Midth  mm  472  Position / of switch operating mechanism  mm  152.5  Protection class IP • on the front • with closed switch / with cover or cable lug cover  Ambient temperature • during operating • during storage  Pogree of pollution  Mechanical operating cycles as operating time / typical  Electrical endurance (switching cycles)	Number of changeover contacts / for auxiliary contacts		0
emergency stop switch     *main switch     *main switch     *safety cut-out switch     *maintenance/repair switch     *maintenance/repair switch  *maintenance/repair switch  *maintenance/repair switch  *maintenance/repair switch  *maintenance/repair switch  *maintenance/repair switch  *mounting type  *mounting type  *mounting type / front mounting  *mounting type / front mounting with 4-hole attachment  *mounting type / front mounting with central attachment  *mounting type / front mounting with central attachment  *mounting position  *position / of switch operating mechanism  *mounting type / front mounting with central attachment  *mounting position  *mounting position  *mounting type / front mounting with central attachment  *without  *without  *without  *without  *without  *without  *without  *without  *without  *pool  *p	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 / front mounting with 4-hole attachment  Mounting type / front mounting with central attachment  Mounting type / front mounting with central attachment  No  Mounting position  Type from device  mounting position  Position / of switch operating mechanism  Design of handle  Width  mm 472  Height  Height  mm 310  Popth  Protection class IP  on the front with closed switch / with cover or cable lug cover  Ambient temperature  during operating during storage  Perce of pollution  Mechanical operating cycles as operating time / typical  Electrical endurance (switching cycles)	Acceptability for application		
• safety cut-out switch • maintenance/repair switch  Pesign of the operating mechanism  Mounting type  Mounting type / fill mounting  Mounting type / front mounting with 4-hole attachment  Mounting type / front mounting with 4-hole attachment  No  Mounting type / front mounting with 4-hole attachment  No  Mounting type / front mounting with 4-hole attachment  Type from device  mounting position  Position / of switch operating mechanism  Design of handle  Width  mm 472  Height  mm 310  Depth  Protection class IP • on the front • with closed switch / with cover or cable lug cover  Ambient temperature • during operating • during storage • "C -25 +70 • during storage • "C -50 +80  Degree of pollution  Mechanical operating cycles as operating time / typical  Electrical endurance (switching cycles)	emergency stop switch		No
• maintenance/repair switch       Yes         Design of the operating mechanism       without         Mounting type       floor mounting         Mounting type / rail mounting       No         Mounting type / front mounting with 4-hole attachment       No         Type from device       fixed mounting         mounting position       any         Position / of switch operating mechanism       at the left end         Design of handle       without         Width       mm       472         Height       mm       152.5         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       6,000         Mechanical operating cycles as operating time / typical       Electrical endurance (switching cycles)	• main switch		Yes
Design of the operating mechanism     without       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     without       Width     mm     472       Height     mm     310       Depth     mm     152.5       Protection class IP     IP00       • on the front     IP00       • with closed switch / with cover or cable lug cover     IP20       Ambient temperature     *C     -25 +70       • during operating     *C     -50 +80       Degree of pollution     3       Mechanical operating cycles as operating time / typical     6,000       Electrical endurance (switching cycles)	safety cut-out switch		Yes
Mounting type  Mounting type / rail 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  Type from device  mounting position  Position / of switch operating mechanism  Design of handle  Width  mm 472  Height  mm 310  Depth  Protection class IP  on the front with closed switch / with cover or cable lug cover  Ambient temperature during operating during storage  Pogree of pollution  Mechanical operating cycles as operating time / typical  Electrical endurance (switching cycles)	maintenance/repair switch		Yes
Mounting type / rail mounting  Mounting type / front mounting with 4-hole attachment  No  Mounting type / front mounting with central attachment  Type from device fixed mounting mounting position  Position / of switch operating mechanism  Design of handle  Width  mm 472  Height  Depth  Protection class IP  on the front with closed switch / with cover or cable lug cover  Ambient temperature  during operating during storage  Pegree of pollution  Mounting type / front mounting with 4-hole attachment No  No  No  No  No  No  Antieved mounting No  Antieved mounting with delet end without  without  without  Without  Without  Mary  472  Height  mm 310  152.5  Protection class IP  on the front IP00  IP20  Ambient temperature  during operating cduring storage  C -25 +70  -50 +80  Pegree of pollution  Mechanical operating cycles as operating time / typical  Electrical endurance (switching cycles)	Design of the operating mechanism		without
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       without         Width       mm       472         Height       mm       310         Depth       mm       152.5         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       6,000         Electrical endurance (switching cycles)       6,000	Mounting type		floor mounting
Mounting type / front mounting with central attachment  Type from device  mounting position  Position / of switch operating mechanism  Design of handle  Width  mm 472  Height  Depth  Protection class IP  on the front  with closed switch / with cover or cable lug cover  Ambient temperature  during operating  during storage  Degree of pollution  Mounting type / front mounting with central attachment  fixed mounting  with closed switch operating time / typical  Electrical endurance (switching cycles)	Mounting type / rail mounting		No
Type from device fixed mounting mounting position any any at the left end any at the left end without without without mm 472  Height mm 310  Depth mm 152.5  Protection class IP IP00  • on the front IP00 • with closed switch / with cover or cable lug cover IP20  Ambient temperature • during operating operating odd of positions of	Mounting type / front mounting with 4-hole attachment		No
mounting position Position / of switch operating mechanism at the left end  Design of handle without  Width mm 472  Height mm 310  Depth mm 152.5  Protection class IP on the front with closed switch / with cover or cable lug cover  Ambient temperature during operating during storage  Degree of pollution  Mechanical operating cycles as operating time / typical  Electrical endurance (switching cycles)  at the left end without without  ### 172 ### 1900 ### 1900 ### 1900 ### 1920  ###	Mounting type / front mounting with central attachment		No
Position / of switch operating mechanism  Design of handle  Width  mm 472  Height  mm 310  Depth  mm 152.5  Protection class IP  on the front  with closed switch / with cover or cable lug cover  Ambient temperature  during operating  during storage  C -25 +70  during storage  C -50 +80  Degree of pollution  Mechanical operating cycles as operating time / typical  Electrical endurance (switching cycles)	Type from device		fixed mounting
Design of handle  Width  mm 472  Height  mm 310  Depth  mm 152.5  Protection class IP  on the front  with closed switch / with cover or cable lug cover  Ambient temperature  during operating  during storage  Degree of pollution  Mechanical operating cycles as operating time / typical  Electrical endurance (switching cycles)	mounting position		any
Width mm 472  Height mm 310  Depth mm 152.5  Protection class IP  on the front with closed switch / with cover or cable lug cover IP20  Ambient temperature  during operating during storage  Degree of pollution  Mechanical operating cycles as operating time / typical  Electrical endurance (switching cycles)	Position / of switch operating mechanism		at the left end
Height mm 310  Depth mm 152.5  Protection class IP IP00  • on the front IP00  • with closed switch / with cover or cable lug cover IP20  Ambient temperature  • during operating objecting to cover co	Design of handle	_	without
Depth mm 152.5  Protection class IP on the front with closed switch / with cover or cable lug cover IP20  Ambient temperature during operating during storage  C -25 +70 during storage  C -50 +80  Degree of pollution  Blectrical endurance (switching cycles)	Width	mm	472
Protection class IP on the front with closed switch / with cover or cable lug cover  Ambient temperature during operating during storage  Degree of pollution  Rechanical operating cycles as operating time / typical  Electrical endurance (switching cycles)	Height	mm	310
<ul> <li>• on the front</li> <li>• with closed switch / with cover or cable lug cover</li> <li>Ambient temperature</li> <li>• during operating</li> <li>• during storage</li> <li>• C -25 +70</li> <li>• during storage</li> <li>• C -50 +80</li> <li>Degree of pollution</li> <li>Mechanical operating cycles as operating time / typical</li> <li>Electrical endurance (switching cycles)</li> <li>IP00</li> <li>IP20</li> <li>C -25 +70</li> <li>6,000</li> <li>Electrical endurance (switching cycles)</li> </ul>	Depth	mm	152.5
with closed switch / with cover or cable lug cover  Ambient temperature      during operating	Protection class IP		IP00
Ambient temperature  • during operating • during storage  • C -25 +70  • during storage  ° C -50 +80  Degree of pollution  3  Mechanical operating cycles as operating time / typical  Electrical endurance (switching cycles)	• on the front		IP00
<ul> <li>during operating</li> <li>during storage</li> <li>C -25 +70</li> <li>C -50 +80</li> <li>Degree of pollution</li> <li>Mechanical operating cycles as operating time / typical</li> <li>Electrical endurance (switching cycles)</li> </ul>	• with closed switch / with cover or cable lug cover		IP20
• during storage  °C -50 +80  Degree of pollution  3  Mechanical operating cycles as operating time / typical  Electrical endurance (switching cycles)	Ambient temperature		
Degree of pollution 3  Mechanical operating cycles as operating time / typical 6,000  Electrical endurance (switching cycles)	during operating	°C	-25 +70
Mechanical operating cycles as operating time / typical 6,000  Electrical endurance (switching cycles)	during storage	°C	-50 +80
Electrical endurance (switching cycles)	Degree of pollution		3
	Mechanical operating cycles as operating time / typical		6,000
• at AC-23 A / at 690 V / at 50/60 Hz 500	Electrical endurance (switching cycles)		
	• at AC-23 A / at 690 V / at 50/60 Hz		500

• at DC-23 A		
• at 220 V		500
• at 440 V		500
Design of display		
<ul> <li>for switch position indicator door-coupling rotary operating mechanism</li> </ul>		ON-OFF
Net weight	g	19,700
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/3KD5240-0RE10-0

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

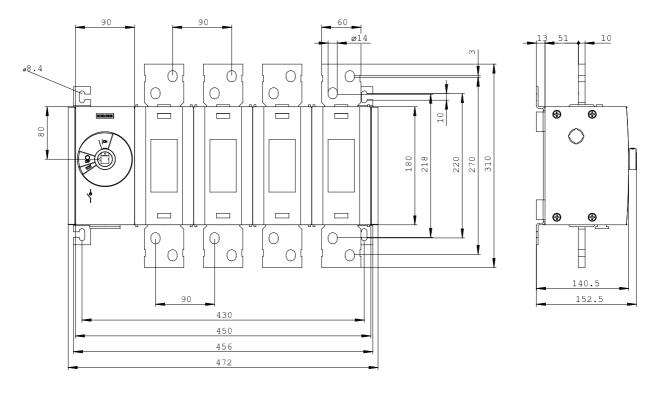
http://support.automation.siemens.com/WW/view/en/3KD5240-0RE10-0/all

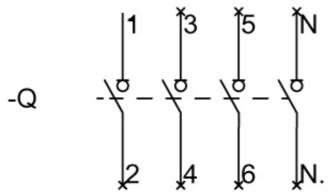
 $Image\ database\ (product\ images,\ 2D\ dimension\ drawings,\ 3D\ models,\ device\ circuit\ diagrams,\ ...)$ 

http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3KD5240-0RE10-0

**CAx-Online-Generator** 

http://www.siemens.com/cax





last change: Apr 21, 2014