# SIEMENS

## Product data sheet

### 3KD3834-0PE40-0

SWITCH-DISCONNECTOR 250A, FRAME SIZE 3, 3-POLE SIDE OPERATING RIGHT 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		3		
Number of poles		3		
Continuous current				
rated value	А	250		
• at 40 °C / rated value	А	250		
• at 45 °C / rated value	А	250		
• at 50 °C / rated value	А	250		
• at 55 °C / rated value	А	250		
• at 60 °C / rated value	А	250		
• at 65 °C / rated value	А	250		
• at 70 °C / rated value	А	250		
• at DC / rated value	А	250		
Operating current				
• at AC-21 A				
• at 400 V / maximum	А	250		

• at 500 V / maximum	А	250
• at 690 V / maximum	А	250
• at AC-22 A		
• at 400 V / at 50/60 Hz / rated value / maximum	А	250
• at 500 V / at 50/60 Hz / rated value / maximum	А	250
• at 690 V / at 50/60 Hz / rated value / maximum	А	250
• at AC-23 A		
• at 400 V / at 50/60 Hz / rated value / maximum	А	250
• at 500 V / at 50/60 Hz / rated value / maximum	А	250
• at 690 V / at 50/60 Hz / rated value / maximum	А	250
• at DC-21 A		
• at 220 V / maximum / note		250 / 2
• at 440 V / rated value / maximum / note		250 / 3
• at DC-22 A		
• at 220 V / rated value / maximum / note		250 / 2
• at 440 V / rated value / maximum / note		250 / 3
• at DC-23 A		
• at 220 V / rated value / maximum / note		250 / 2
• at 440 V / rated value / maximum / note		250 / 3
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	132
• at 500 V / at 50/60 Hz / rated value	kW	160
• at 690 V / at 50/60 Hz / rated value	kW	220
I2t value / with closed switch	-	
<ul> <li>for combination switch + fuse</li> </ul>		
• at 400 V / maximum	A²·s	426,500
• at 500 V / maximum	A²·s	426,500
• at 690 V		
<ul> <li>for combination switch +gG fuse / maximum</li> </ul>	A²⋅s	348,000
Let-through current / with closed switch		
<ul> <li>for combination switch + fuse</li> </ul>		
• at 400 V / maximum permissible	А	25,100
• at 500 V / maximum permissible	А	25,100
• at 690 V		

number demonstration of the mathematical partners of the second	<ul> <li>with combination switch +aM fuse / maximum permissible</li> </ul>	А	22,700
Making capacity short-circuit current (lem) / for switch disconnector / without luse link / rated value / minimum         AA         26           Conditional short-circuit current / with line-side fuse protection • at 500 V / by gG fuse / rated value         KA         100           • at 500 V / by gG fuse / rated value         KA         65           Active power loss / with conventional rated thermal current / per pole         W         7           Product equipment / interlock         No         No           Type of the driving mechanism / motor drive         No         No           Product equipment / interlock         No         No           Type of the driving mechanism / motor drive         No         No           Product extension / optional / motor drive         No         No           Product extension / optional / motor drive         No         No           If yee of onnectable conductor cross-sections         If acconnector         No           • according to DIN 48234         1x (6 240mm²), 2x (6 150mm²)         If acconnected NC contacts / for auxiliary contacts           Number of connected NC contacts / for auxiliary contacts         0         If according to DIN 48234         If according to DIN 48234           • according to DIN 48234         Ves         If according to DIN 48235         If according to DIN 48235           Number of connected	· · · · · · · · · · · · · · · · · · ·	-	
disconnector / without fuse link / rated value / minimumImage: connector / without fuse link / rated valueImage: connector / without current / with line-side fuse protection• at 600 V / by gG fuse / rated valuekA66Active power loss / with conventional rated thermal current / per poleW7Product equipment / interlockNoNoProduct equipment / interlockNoNoInterlock / for auxiliary contactsInt (fi 186mm²), 2x (fi 150MM²)Number of connected NC contacts / for auxiliary contacts0Number of NC contacts / for auxiliary contactsGNumber of NC contacts / for auxiliary contactsGAcceptability for applicationYes• emergency stop switchS• an		-	
At 500 V/ by gG fuse / rated valueKA100at 680 V/ by gG fuse / rated valueKA65Active power loss / with conventional rated thermal current / per poleW7Product equipment / interlockIONoType of the driving mechanism / motor driveNoNoProduct extension / optional / motor driveIONoDesign of the electrical connector / for main current circuitfild connectorType of othe driving mechanism / motor driveIOfild connectorProduct extension / optional / motor driveIOfild connectorProduct extension / optional / motor driveIOfild connectorIf or connectable conductor / stranded / with lugIV: (6 240mm <sup>3</sup> ), 2x (6 150mm <sup>3</sup> )- according to DIN 46235IV: (6 160mm <sup>3</sup> ), 2x (6 150mm <sup>3</sup> )Number of connected NC contacts / for auxiliary contacts0Number of connected Changeover contacts / for auxiliary contacts0Number of NC contacts / for auxiliary contacts6Number of NC contacts / for auxiliary contacts6Number of NC contacts / for auxiliary contacts0Acceptability for applicationVes• emergency stop switchVes• main switchYes• main switchYes• maineswitchYes• maineswitchIO• maineswitchYes• maineswitchYes• maineswitchYes• maineswitchNo• maineswitchNo• maineswitchNo• maineswitc			20
Active power loss / with conventional rated thermal current / per poleKA65Active power loss / with conventional rated thermal current / per poleW7Froduct equipment / interlockNoType of the driving mechanism / motor driveNoDesign of the electrical connection / for main current circuitfiat connectorType of connectable conductor cross-sectionsImage: Connectable conductor stranded / with lug • according to DIN 462341x (6 240mm?), 2x (6 150mm?)• according to DIN 462351x (16 180mm?), 2x (16 150mm?)1x (16 180mm?), 2x (16 150MM?)Number of connected NC contacts / for auxiliary contacts00Number of connected NC contacts / for auxiliary contacts00Number of connected NC contacts / for auxiliary contacts00Number of connected NC contacts / for auxiliary contacts60Number of connected NC contacts / for auxiliary contacts00Number of NC contacts / for auxiliary contacts60Number of NC contacts / for auxiliary contacts60Number of changeover contacts / for auxiliary contacts00Acceptability for applicationYes0• emergency stop switchYes0• emergency stop switchYes1• maintenance/repair switchYes1 <t< td=""><td>Conditional short-circuit current / with line-side fuse protection</td><td></td><td></td></t<>	Conditional short-circuit current / with line-side fuse protection		
Active power loss / with conventional rated thermal current / per pole         W         7           Product equipment / interlock         No         No           Type of the driving mechanism / motor drive         No         No           Product equipment / interlock         No         No           Design of the electrical connection / for main current circuit         flat connector         flat connector           Type of connectable conductor cross-sections	• at 500 V / by gG fuse / rated value	kA	100
poleMoProduct equipment / interlockNoType of the driving mechanism / motor driveNoProduct extension / optional / motor driveNoDesign of the electrical connection / for main current circuitIf at connectorType of connectable conductor ross-sectionsIf a connector• for copper conductor / stranded / with lug1x (6 240mm?), 2x (6 150mm?)• according to DIN 462351x (16 145mm?), 2x (16 150mM?)Number of connected NC contacts / for auxiliary contacts0Number of connected NC contacts / for auxiliary contacts0Number of NC contacts / for auxiliary contacts0Number of NC contacts / for auxiliary contacts6Number of NC contacts / for auxiliary contacts0Number of NC contacts / for auxiliary contacts0Acceptability for applicationYes• emergency stop switchNo• emergency stop switchNo• maintenance/repair switchYes• maintenance/repair switchNoNounting type / front mounting with 4-hole attachmentNoMounting type / front mounting with 4-ho	• at 690 V / by gG fuse / rated value	kA	65
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         flat connector           • for copper conductor / stranded / with lug         is connection           • according to DIN 46234         1x (6 240mm <sup>3</sup> ), 2x (6 150mm <sup>3</sup> )           • according to DIN 46235         1x (16 185mm <sup>3</sup> ), 2x (16 150mm <sup>3</sup> )           Number of connected NC contacts / for auxiliary contacts         0           Number of connected NC contacts / for auxiliary contacts         0           Product extension / auxiliary contacts         0           Number of NC contacts / for auxiliary contacts         6           Number of NC contacts / for auxiliary contacts         6           Number of NC contacts / for auxiliary contacts         6           Number of NC contacts / for auxiliary contacts         6           Number of NC contacts / for auxiliary contacts         6           Number of NC contacts / for auxiliary contacts         6           Number of NC contacts / for auxiliary contacts         6           Number of NC contacts / for auxiliary contacts         6           Number of NC contacts / for auxiliary contacts         7		W	7
Product extension / optional / motor drive         No           Design of the electrical connection / for main current circuit         flat connector           Type of connectable conductor cross-sections	Product equipment / interlock		No
Design of the electrical connection / for main current circuit         flat connector           Type of connectable conductor cross-sections         if a connector           • for copper conductor / stranded / with lug         if a connector           • according to DIN 46234         1x (6 240mm²), 2x (6 150mm²)           • according to DIN 46235         0           Number of connected NC contacts / for auxiliary contacts         0           Number of connected changeover contacts / for auxiliary contacts         0           Product extension / auxiliary switch         Yes           Number of NC contacts / for auxiliary contacts         6           Number of connected / for auxiliary contacts         0           Number of NC contacts / for auxiliary contacts         6           Number of NC contacts / for auxiliary contacts         6           Number of noncated / witch disconnector         Yes           Acceptability for application         Yes           • emergency stop switch         Yes           • salety cut-out switch         Yes           • salety cut-out switch         Yes           • maintenance/repair switch         Yes           Design of the operating mechanism         without           Mounting type / front mounting with 4-hole atachment         No           Mounting type / front mou	Type of the driving mechanism / motor drive		No
Type of connectable conductor cross-sections         Image: conductor / stranded / with lug           • according to DIN 46234         1x (6 240mm <sup>3</sup> ), 2x (6 150mm <sup>3</sup> )           • according to DIN 46235         1x (16 185mm <sup>3</sup> ), 2x (16 150MM <sup>3</sup> )           Number of connected NC contacts / for auxiliary contacts         0           Number of connected changeover contacts / for auxiliary contacts         0           Number of connected changeover contacts / for auxiliary contacts         0           Product extension / auxiliary switch         Yes           Number of NC contacts / for auxiliary contacts         6           Number of nO contacts / for auxiliary contacts         0           Number of NC contacts / for auxiliary contacts         0           Number of NC contacts / for auxiliary contacts         6           Number of ND contacts / for auxiliary contacts         0           Acceptability for application / switch disconnector         Yes           • emergency stop switch         Yes           • safety cut-out switch         Yes           • main switch         Yes           • safety cut-out switch         Yes           • maintenance/repair switch         Yes           Mounting type / front mounting with 4-hole attachment         No           Mounting type / front mounting with 4-hole attachment         N	Product extension / optional / motor drive	-	No
• for copper conductor / stranded / with lug       is coording to DIN 46234       1x (6 240mm <sup>3</sup> ), 2x (6 150mm <sup>3</sup> )         • according to DIN 46235       1x (16 185mm <sup>3</sup> ), 2x (16 150MM <sup>3</sup> )         Number of connected NC contacts / for auxiliary contacts       0         Number of connected Changeover contacts / for auxiliary contacts       0         Product extension / auxiliary switch       0         Number of NC contacts / for auxiliary contacts       6         Number of NC contacts / for auxiliary contacts       6         Number of NC contacts / for auxiliary contacts       0         Number of NC contacts / for auxiliary contacts       6         Number of NC contacts / for auxiliary contacts       0         Acceptability for application / switch disconnector       Yes         Acceptability for application / switch disconnector       Yes         • emergency stop switch       Yes         • safety cut-out switch       Yes         • safety cut-out switch       Yes         • safety cut-out switch       Yes         • maintenance/repair switch       Yes         Mounting type       floor mounting         Mounting type / rail mounting       No         Mounting type / front mounting with 4-hole attachment       No         Type from device       fixed mounting	Design of the electrical connection / for main current circuit		flat connector
• according to DIN 462341x (6 240mm²), 2x (6 150mm²)• according to DIN 462351x (16 185mm²), 2x (16 150MM²)Number of connected NC contacts / for auxiliary contacts0Number of connected NO contacts / for auxiliary contacts0Number of connected changeover contacts / for auxiliary contacts0Product extension / auxiliary switchYesNumber of NC contacts / for auxiliary contacts6Number of NC contacts / for auxiliary contacts6Number of NC contacts / for auxiliary contacts0Number of NC contacts / for auxiliary contacts6Number of NO contacts / for auxiliary contacts0Acceptability for application / switch disconnectorYes•emergency stop switchNo•main switchYes•atilet anance/repair switchYesDesign of the operating mechanismWithoutMounting type / rail mountingNoMounting type / front mounting with 4-hole attachmentNoMounting type / front mounting with central attachmentNoMounting type / from devicefixed mountingType from deviceanyPosition / of switch operating mechanismat the richt end	Type of connectable conductor cross-sections		
• according to DIN 462351x (16 185mm <sup>3</sup> ), 2x (16150MM <sup>9</sup> )Number of connected NC contacts / for auxiliary contacts0Number of connected changeover contacts / for auxiliary contacts0Product extension / auxiliary switchYesNumber of NC contacts / for auxiliary contacts6Number of NC contacts / for auxiliary contacts6Number of NO contacts / for auxiliary contacts0Number of NO contacts / for auxiliary contacts6Number of changeover contacts / for auxiliary contacts0Acceptability for application / switch disconnectorYesAcceptability for applicationYes• emergency stop switchNo• main switchYes• analitenance/repair switchYesDesign of the operating mechanismWithoutMounting type / front mounting with 4-hole attachmentNoMounting type / front mounting with 4-hole attachmentNoMounting type / front mounting with central attachmentNoMounting type / front deviceanymounting position / of switch operating mechanismat the richt end	<ul> <li>for copper conductor / stranded / with lug</li> </ul>		
Number of connected NC contacts / for auxiliary contacts0Number of connected NO contacts / for auxiliary contacts0Number of connected changeover contacts / for auxiliary contacts0Product extension / auxiliary switchYesNumber of NC contacts / for auxiliary contacts6Number of NC contacts / for auxiliary contacts6Number of NO contacts / for auxiliary contacts0Number of NO contacts / for auxiliary contacts0Number of changeover contacts / for auxiliary contacts0Acceptability for application / switch disconnectorYesAcceptability for applicationYes• emergency stop switchNo• main switchYes• safety cut-out switchYes• maintenance/repair switchYesMounting typefloor mountingMounting type / rail mountingNoMounting type / front mounting with 4-hole attachmentNoMounting type / front mounting with central attachmentNoType from devicefixed mountingmounting positionanyPosition / of switch operating mechanismat the richt end	according to DIN 46234		1x (6 240mm²), 2x (6 150mm²)
Number of connected NO contacts / for auxiliary contacts0Number of connected changeover contacts / for auxiliary contacts0Product extension / auxiliary switchYesNumber of NC contacts / for auxiliary contacts6Number of NC contacts / for auxiliary contacts0Number of NO contacts / for auxiliary contacts0Number of changeover contacts / for auxiliary contacts0Acceptability for application / switch disconnectorYesAcceptability for application / switch disconnectorYesAcceptability for applicationYes• emergency stop switchNo• main switchYes• safety cut-out switchYes• maintenance/repair switchYesDesign of the operating mechanismwithoutMounting type / front mounting with 4-hole attachmentNoMounting type / front mounting with 4-hole attachmentNoMounting type / front mounting with central attachmentNoType from devicefixed mountingmounting positionanyPosition / of switch operating mechanismat the richt end	according to DIN 46235		1x (16 185mm²), 2x (16150MM²)
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Number of NO contacts / for auxiliary contacts6Number of changeover contacts / for auxiliary contacts0Acceptability for application / switch disconnectorYesAcceptability for applicationYes- emergency stop switchNo- main switchYes- safety cut-out switchYes- maintenance/repair switchYesDesign of the operating mechanismwithoutMounting type / rail mountingNoMounting type / rail mounting with 4-hole attachmentNoMounting type / front mounting with central attachmentNoType from devicefixed mountingmounting positionanyPosition / of switch operating mechanismat the richt end	Product extension / auxiliary switch		Yes
Number of changeover contacts / for auxiliary contacts0Acceptability for application / switch disconnectorYesAcceptability for application	Number of NC contacts / for auxiliary contacts		6
Acceptability for application / switch disconnectorYesAcceptability for applicationYes• emergency stop switchNo• main switchYes• safety cut-out switchYes• maintenance/repair switchYes• maintenance/repair switchYesDesign of the operating mechanismwithoutMounting typefloor mountingMounting type / rail mountingNoMounting type / front mounting with 4-hole attachmentNoMounting type / front mounting with central attachmentNoType from devicefixed mountingmounting positionanyPosition / of switch operating mechanismat the richt end	Number of NO contacts / for auxiliary contacts		6
Acceptability for applicationNo• emergency stop switchNo• main switchYes• safety cut-out switchYes• maintenance/repair switchYesDesign of the operating mechanismwithoutMounting typefloor mountingMounting type / rail mountingNoMounting type / front mounting with 4-hole attachmentNoMounting type / front mounting with central attachmentNoType from devicefixed mountingmounting positionanyPosition / of switch operating mechanismat the richt end	Number of changeover contacts / for auxiliary contacts		0
• emergency stop switchNo• main switchYes• safety cut-out switchYes• maintenance/repair switchYesDesign of the operating mechanismwithoutMounting typefloor mountingMounting type / rail mountingNoMounting type / rail mounting with 4-hole attachmentNoMounting type / front mounting with central attachmentNoType from devicefixed mountingmounting positionanyPosition / of switch operating mechanismat the richt end	Acceptability for application / switch disconnector		Yes
• main switchYes• safety cut-out switchYes• maintenance/repair switchYesDesign of the operating mechanismwithoutMounting typefloor mountingMounting type / rail mountingNoMounting type / front mounting with 4-hole attachmentNoMounting type / front mounting with central attachmentNoType from devicefixed mountingmounting positionanyPosition / of switch operating mechanismat the richt end	Acceptability for application		
• safety cut-out switchYes• maintenance/repair switchYesDesign of the operating mechanismwithoutMounting typefloor mountingMounting type / rail mountingNoMounting type / front mounting with 4-hole attachmentNoMounting type / front mounting with central attachmentNoType from devicefixed mountingmounting positionanyPosition / of switch operating mechanismat the richt end	emergency stop switch		No
• maintenance/repair switchYesDesign of the operating mechanismwithoutMounting typefloor mountingMounting type / rail mountingNoMounting type / front mounting with 4-hole attachmentNoMounting type / front mounting with central attachmentNoMounting type / front mounting with central attachmentNoType from devicefixed mountingmounting positionanyPosition / of switch operating mechanismat the richt end	main switch		Yes
Design of the operating mechanismwithoutMounting typefloor mountingMounting type / rail mountingNoMounting type / front mounting with 4-hole attachmentNoMounting type / front mounting with central attachmentNoType from devicefixed mountingmounting positionanyPosition / of switch operating mechanismat the richt end	safety cut-out switch		Yes
Mounting typefloor mountingMounting type / rail mountingNoMounting type / front mounting with 4-hole attachmentNoMounting type / front mounting with central attachmentNoMounting type / front mounting with central attachmentNoType from devicefixed mountingmounting positionanyPosition / of switch operating mechanismat the richt end	maintenance/repair switch		Yes
Mounting type / rail mountingNoMounting type / front mounting with 4-hole attachmentNoMounting type / front mounting with central attachmentNoType from devicefixed mountingmounting positionanyPosition / of switch operating mechanismat the richt end	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 richt end	Mounting type		floor mounting
Mounting type / front mounting with central attachment       No         Type from device       fixed mounting         mounting position       any         Position / of switch operating mechanism       at the richt end	Mounting type / rail mounting		No
Type from device       fixed mounting         mounting position       any         Position / of switch operating mechanism       at the richt end	Mounting type / front mounting with 4-hole attachment		No
mounting position     any       Position / of switch operating mechanism     at the richt end	Mounting type / front mounting with central attachment		No
Position / of switch operating mechanism     at the richt end	Type from device		fixed mounting
	mounting position		any
Design of handle without	Position / of switch operating mechanism		at the richt end
	Design of handle		without

	_	
Width	mm	198.5
Height	mm	164
Depth	mm	95
Protection class IP		IP00
• on the front		IP00
• with closed switch / with cover or cable lug cover		IP20
Ambient temperature		
during operating	°C	-25 +70
during storage	°C	-50 +80
Degree of pollution		3
Mechanical operating cycles as operating time / typical		10,000
Electrical endurance (switching cycles)		
• at AC-23 A / at 690 V / at 50/60 Hz		1,000
• at DC-23 A		
• at 220 V		1,000
• at 440 V		1,000
Design of display		
<ul> <li>for switch position indicator door-coupling rotary operating mechanism</li> </ul>		ON-OFF
Net weight	g	2,800
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)

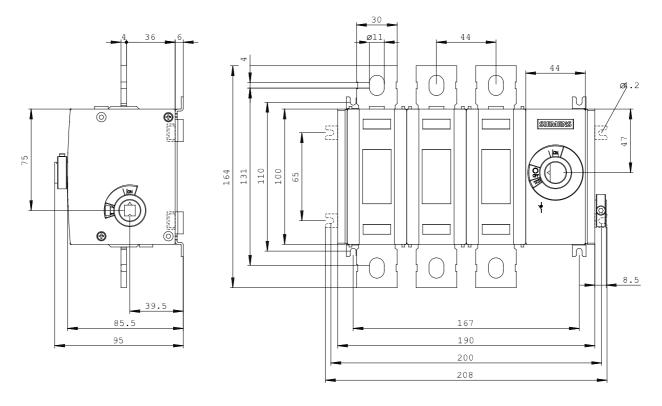
https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3KD3834-0PE40-0

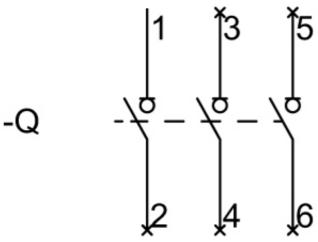
#### Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3KD3834-0PE40-0/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3KD3834-0PE40-0

# CAx-Online-Generator

http://www.siemens.com/cax





last change:

Apr 21, 2014