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	-	
 for combination switch + fuse 		
• at 400 V / maximum	A²·s	426,500
• at 500 V / maximum	A²·s	426,500
• at 690 V		
 for combination switch +gG fuse / maximum 	A²⋅s	348,000
Let-through current / with closed switch		
 for combination switch + fuse 		
• 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	 with combination switch +aM fuse / maximum permissible 	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	· · · · · · · · · · · · · · · · · · ·	-	
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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
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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 ³), 2x (6 150mm ³) • according to DIN 46235 1x (16 185mm ³), 2x (16 150mm ³) 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
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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 ³), 2x (6 150mm ³) • according to DIN 46235 1x (16 185mm ³), 2x (16 150MM ³) 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
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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
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• 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		
 for switch position indicator door-coupling rotary operating mechanism 		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)

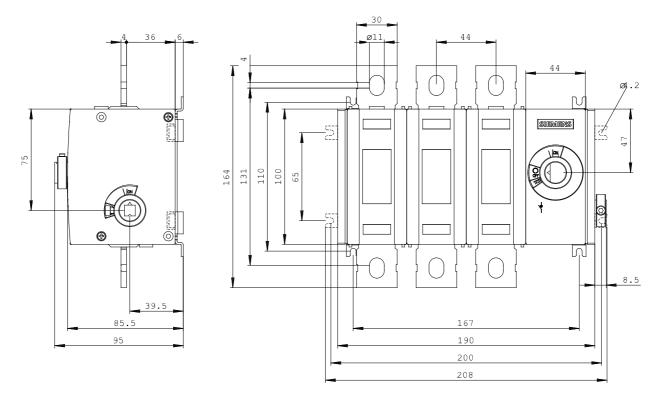
https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3KD3834-0PE40-0

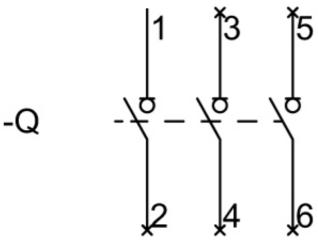
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3KD3834-0PE40-0/all

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

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http://www.siemens.com/cax





last change:

Apr 21, 2014