SIEMENS

Product data sheet 3KD1630-2ME10-0



SWITCH-DISCONNECTOR 16A, FRAME SIZE 1, 3-POLE FRONT OPERATING LEFT BASIC UNIT WITHOUT HANDLE BOX 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		1
Number of poles		3
Continuous current		
• rated value	Α	16
• at 40 °C / rated value	Α	16
• at 45 °C / rated value	Α	16
• at 50 °C / rated value	Α	16
• at 55 °C / rated value	Α	16
• at 60 °C / rated value	Α	16
• at 65 °C / rated value	Α	16
• at 70 °C / rated value	Α	16
• at DC / rated value	Α	16
Operating current		
• at AC-21 A		
• at 400 V / maximum	А	16

• at 500 V / maximum	Α	16
• at 690 V / maximum	Α	16
• at AC-22 A		
• at 400 V / at 50/60 Hz / rated value / maximum	Α	16
• at 500 V / at 50/60 Hz / rated value / maximum	Α	16
• at 690 V / at 50/60 Hz / rated value / maximum	Α	16
• at AC-23 A		
• at 400 V / at 50/60 Hz / rated value / maximum	А	16
• at 500 V / at 50/60 Hz / rated value / maximum	А	16
• at 690 V / at 50/60 Hz / rated value / maximum	Α	16
• at DC-21 A		
• at 220 V / maximum / note		16/2
• at 440 V / rated value / maximum / note		16/3
• at DC-22 A		
• at 220 V / rated value / maximum / note		16/2
• at 440 V / rated value / maximum / note		16/3
• at DC-23 A		
• at 220 V / rated value / maximum / note		16/2
at 440 V / rated value / maximum / note		16/3
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	8
Overvoltage class		III
Operating power / at AC-23 A		
• at 400 V / at 50/60 Hz / rated value	kW	7.5
• at 500 V / at 50/60 Hz / rated value	kW	7.5
• at 690 V / at 50/60 Hz / rated value	kW	11
l2t value / with closed switch		
• for combination switch + fuse		
• at 400 V / maximum	A²⋅s	13,300
• at 500 V / maximum	A²⋅s	13,300
• at 690 V		
for combination switch +gG fuse / maximum	A²·s	13,700
Let-through current / with closed switch		
• for combination switch + fuse		
• at 400 V / maximum permissible	Α	7,000
• at 500 V / maximum permissible	Α	7,000
• at 690 V		

Short-time current resistance (lcw) / limited to 1 s / rated value Making capacity short-circuit current (lcm) / for switch disconnector / without fuse link / rated value / minimum Conditional short-circuit current / with line-side fuse protection	 with combination switch +aM fuse / maximum permissible 	Α	7,500
Making capacity short-circuit current (icm) / for switch disconnector / without tuse link / rated value / minimum - at 500 / 19 yg G fuse / rated value - at 690 V / by gG fuse / rated value - at 690 V / by gG fuse / rated value - at 690 V / by gG fuse / rated value - at 690 V / by gG fuse / rated value - at 690 V / by gG fuse / rated value - at 690 V / by gG fuse / rated value - Active power loss / with conventional rated thermal current / per pole Product equipment / interlock Type of the driving mechanism / motor drive Product extension / optional / motor drive Product extension / optional / motor drive Box terminal Type of connectable conductor cross-sections - for copper conductor - solid - stranded - stranded - stranded / with end sleeve - with flexible busbar Number of connected NC contacts / for auxiliary contacts Number of connected NC contacts / for auxiliary contacts Number of connected NC contacts / for auxiliary contacts Number of connected Croundary / yes Number of NC contacts / for auxiliary contacts Acceptability for application / switch disconnector - emergency stop switch - main switch - salety cut-out switch - main switch - salety cut-out switch - main representation of the operating mechanism Mounting type / rail mounting Mounting type / front mounting with 4-hole attachment 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 Type from device	Short-time current resistance (lcw) / limited to 1 s / rated value	kA	3
at 500 V / by gG fuse / rated value at 680 V / by gG fuse / rated value Active power loss / with conventional rated thermal current / per pole Product equipment / interlock No Product equipment / interlock No Product equipment / interlock No Product extension / optional / motor drive Residual of the electrical connection / for main current circuit Type of connectable conductor cross-sections - for copper conductor - solid - stranded - finely stranded / with end sleeve - with flexible busbar Number of connected NC contacts / for auxiliary contacts Number of connected NC contacts / for auxiliary contacts Number of connected NC contacts / for auxiliary contacts Number of changeover contacts / for auxiliary contacts Number of hangeover contacts / for a	Making capacity short-circuit current (lcm) / for switch	kA	7
* at 690 V / by gG fuse / rated value Active power loss / with conventional rated thermal current / per pole Product equipment / interlock Type of the driving mechanism / motor drive Product extension / optional / motor drive Posign of the electrical connection / for main current circuit Type of connectable conductor cross-sections * for copper conductor * solid * stranded * finely stranded / with end sleeve * with flexible busbar Number of connected NC contacts / for auxiliary contacts Number of connected NC contacts / for auxiliary contacts Number of NC papication * emergency stop switch * main switch * asfety cut-out switch * safety cut-out mounting and snap-on mounting to	Conditional short-circuit current / with line-side fuse protection		
Active power loss / with conventional rated thermal current / per pole Product equipment / interlock Type of the driving mechanism / motor drive Product extension / optional / motor drive Design of the electrical connection / for main current circuit Type of connectable conductor cross-sections • for copper conductor • solid • stranded • finely stranded / with end sleeve • with flexible 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 NC contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts Acceptability for application • emergency stop switch • main switch • maintenance/repair switch Design of the operating mechanism Mounting type Mounting type / rail mounting Mounting type / front mounting with 4-hole attachment Type from device No No No 0.2 No 1x (1 16mm²) 1x (1 16mm²) 1x (1 16mm²) 1x (1 16mm²) 1x (1 36mm²) 1x (1	• at 500 V / by gG fuse / rated value	kA	100
pole Product equipment / interlock Type of the driving mechanism / motor drive Product extension / optional / motor drive Posign of the electrical connection / for main current circuit Type of connectable conductor cross-sections • for copper conductor • solid • stranded • finely stranded / with end sleeve • with flexible busbar Number of connected NC contacts / for auxiliary contacts Number of connected NC contacts / for auxiliary contacts Number of connected changeover contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts Number of changeover 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	• at 690 V / by gG fuse / rated value	kA	100
Type of the driving mechanism / motor drive Product extension / optional / motor drive Design of the electrical connection / for main current circuit Type of connectable conductor cross-sections • for copper conductor • solid • stranded • finely stranded / with end sleeve • with flexible busbar Number of connected NC contacts / for auxiliary contacts Number of connected NC contacts / for auxiliary contacts Number of connected NC contacts / for auxiliary contacts Number of connected changeover contacts / for auxiliary contacts Number of connected for auxiliary switch Yes Number of NC contacts / for auxiliary contacts Acceptability for application / switch disconnector • emergency stop switch • emergency stop switch • main switch • safety cut-out switch • safety cut-out switch • main switch • safety cut-out switch • safety cut-out switch • main switch • main switch • safety cut-out switch • main switch • main switch • floor mounting and snap-on mounting to 35 mm standard mounting rail Mounting type / rail mounting Mounting type / front mounting with 4-hole attachment Mounting type / front mounting with central attachment Mounting type / front mounting with central attachment Type from device	Active power loss / with conventional rated thermal current / per pole	W	0.2
Product extension / optional / motor drive Design of the electrical connection / for main current circuit Type of connectable conductor cross-sections • for copper conductor • solid • stranded • finely stranded / with end sleeve • with flexible busbar Number of connected NC contacts / for auxiliary contacts Number of connected NC contacts / for auxiliary contacts Number of connected changeover contacts / for auxiliary contacts Number of connected changeover contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts Acceptability for application / switch disconnector • emergency stop switch • nain switch • ranin switch • safety cut-out switch • nain switch • safety cut-out switch • nain switch • safety cut-out switch • nain switch • nain switch • safety cut-out switch • nain switch • safety cut-out switch • safety cut-out switch • safety cut-out switch • nointenance/repair switch Mounting type Floor mounting and snap-on mounting to 35 mm standard mounting rail Mounting type / rail mounting Mounting type / front mounting with 4-hole attachment No Mounting type / front mounting with 4-hole attachment Type from device fixed mounting	Product equipment / interlock		No
Design of the electrical connection / for main current circuit Type of connectable conductor cross-sections • for copper conductor • solid • stranded • finely stranded / with end sleeve • with flexible busbar Number of connected NC contacts / for auxiliary contacts Number of connected NC contacts / for auxiliary contacts Number of connected NC contacts / for auxiliary contacts Number of connected changeover contacts / for auxiliary contacts Product extension / auxiliary switch Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Acceptability for application / switch disconnector Acceptability for application • emergency stop switch • main switch • main switch • main switch • main switch • maintenance/repair switch Design of the operating mechanism Mounting type Mounting type / rail mounting Mounting type / front mounting with 4-hole attachment Mounting type / front mounting with central attachment Mounting type / front mounting with central attachment Type from device Design of the operation ounting with central attachment Mounting type / front mounting with central attachment No Mounting type / front mounting with central attachment No Type from device	Type of the driving mechanism / motor drive		No
Type of connectable conductor cross-sections - for copper conductor - solid - stranded - finely stranded / with end sleeve - with flexible busbar - with flexible busbar - with flexible busbar - with flexible busbar - with flexible on the connected NC contacts / for auxiliary contacts - with flexible on the connected NC contacts / for auxiliary contacts - with flexible busbar - with flex	Product extension / optional / motor drive		No
• for copper conductor • solid • stranded • stranded • finely stranded / with end sleeve • with flexible busbar Number of connected NC contacts / for auxiliary contacts Number of connected NO contacts / for auxiliary contacts Number of connected changeover contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Number of changeover contacts / for auxiliary contacts Number of changeover contacts / for auxiliary contacts Acceptability for application / switch disconnector + cemergency stop switch + main switch + main switch + maintenance/repair switch No Design of the operating mechanism Mounting type Floor mounting and snap-on mounting to 35 mm standard mounting type / rail mounting Mounting type / front mounting with 4-hole attachment No Mounting type / front mounting with central attachment No Type from device Ix (1 16mm²) 1x (1 16mm²) 1x (6 35mm²) 1x (1 35mm²) 2x (0.8x9 mm²) No No 1x (1 35mm²) 1x (1 35mm²) 1x (1 35mm²) 1x (6 35mm²) 1x (6 35mm²) 1x (6 35mm²) 1x (6 35mm²) 1x (1 35mm²) 1x (6	Design of the electrical connection / for main current circuit		Box terminal
* solid * stranded * stranded * finely stranded / with end sleeve * with flexible busbar Number of connected NC contacts / for auxiliary contacts Number of connected NO contacts / for auxiliary contacts Number of connected changeover contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Number of changeover contacts / for auxiliary contacts Acceptability for application / switch disconnector Acceptability for application • emergency stop switch • main switch • safety cut-out switch • maintenance/repair switch Pas Design of the operating mechanism Mounting type Floor mounting and snap-on mounting to 35 mm standard mounting rail Mounting type / rail mounting Mounting type / front mounting with 4-hole attachment No Mounting type / front mounting with central attachment No Type from device ### Connected NC contacts / for auxiliary contacts 1	Type of connectable conductor cross-sections		
• stranded • finely stranded / with end sleeve • with flexible 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 Product extension / auxiliary switch Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Number of changeover contacts / for auxiliary contacts Acceptability for application / switch disconnector Pres Acceptability for application • emergency stop switch • main switch • safety cut-out switch • maintenance/repair switch Pres Design of the operating mechanism Mounting type Floor mounting and snap-on mounting to 35 mm standard mounting type / front mounting with 4-hole attachment No Mounting type / front mounting with central attachment No Type from device in X (1 35mm²) 1x (1 35m	• for copper conductor		
in finely stranded / with end sleeve with flexible busbar Number of connected NC contacts / for auxiliary contacts Number of connected NC contacts / for auxiliary contacts Number of connected changeover contacts / for auxiliary contacts Product extension / auxiliary switch Number of NC contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Number of thangeover contacts / for auxiliary contacts Acceptability for application / switch disconnector Acceptability for application emergency stop switch nain switch safety cut-out switch maintenance/repair switch Design of the operating mechanism Mounting type Floor mounting and snap-on mounting to 35 mm standard mounting rail Mounting type / front mounting with 4-hole attachment Mounting type / front mounting with central attachment No Type from device Ix (1 35mm²) 2x (0.8x9 mm²) 0 1x (1 35mm²) 2x (0.8x9 mm²) 0 0 0 0 0 0 0 0 0 0 0 0 0	• solid		1x (1 16mm²)
with flexible busbar Number of connected NC contacts / for auxiliary contacts Number of connected NO contacts / for auxiliary contacts Number of connected changeover contacts / for auxiliary contacts Product extension / auxiliary switch Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Acceptability for application / switch disconnector Product extension / auxiliary contacts Number of NO contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Acceptability for application / yes - emergency stop switch - main switch - safety cut-out switch - maintenance/repair switch Pres Design of the operating mechanism Mounting type Floor mounting and snap-on mounting to 35 mm standard mounting rail Mounting type / front mounting with 4-hole attachment No Mounting type / front mounting with central attachment No Type from device 1 x (0.8x9 mm²) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	• stranded		1x (6 35mm²)
Number of connected NC contacts / for auxiliary contacts Number of connected NO contacts / for auxiliary contacts Number of connected changeover contacts / for auxiliary contacts Product extension / auxiliary switch Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Number of changeover contacts / for auxiliary contacts Acceptability for application / switch disconnector Product extension / auxiliary switch Number of NO contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Acceptability for application / switch disconnector Pros Acceptability for application I emergency stop switch I have a safety cut-out switch I have a saf	• finely stranded / with end sleeve		1x (1 35mm²)
Number of connected NO contacts / for auxiliary contacts Number of connected changeover contacts / for auxiliary contacts Product extension / auxiliary switch Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Number of changeover contacts / for auxiliary contacts Acceptability for application / switch disconnector **Residual of the application / switch disconnector **Pes **Acceptability for application **emergency stop switch **emain switch **emain switch **emain switch **emain tenance/repair switch **Design of the operating mechanism **Mounting type **Design of the operating mechanism **Mounting type / rail mounting **Mounting type / front mounting with 4-hole attachment **No **Mounting type / front mounting with central attachment **No **Type from device **Type from device from auxiliary contacts **Type from	with flexible busbar		2x (0.8x9 mm²)
Number of connected changeover contacts / for auxiliary contacts Product extension / auxiliary switch Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Number of NO 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 / rail mounting Mounting type / front mounting with 4-hole attachment Mounting type / front mounting with central attachment No Type from device O Ves Ves Ves Floor mounting and snap-on mounting to 35 mm standard mounting rail No No Mounting type / front mounting with 4-hole attachment No Type from device fixed mounting	Number of connected NC contacts / for auxiliary contacts		0
roduct extension / auxiliary switch Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Number of changeover contacts / for auxiliary contacts Acceptability for application / switch disconnector **Pes** 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 ### Floor mounting and snap-on mounting to 35 mm standard mounting rail Mounting type / rail mounting Mounting type / front mounting with 4-hole attachment Mounting type / front mounting with central attachment No Type from device ### Acceptability for auxiliary contacts ### Acceptability for application ### Acceptability for application ### Acceptability for application ### Acceptability for auxiliary contacts ### Acceptability for application ### Acceptability for auxiliary contacts ### Acceptability for application ### Acceptability for a	Number of connected NO contacts / for auxiliary contacts		0
Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Number of changeover contacts / for auxiliary contacts Acceptability for application / switch disconnector Acceptability for application • emergency stop switch • main switch • safety cut-out switch • maintenance/repair switch Design of the operating mechanism Mounting type Floor mounting and snap-on mounting to 35 mm standard mounting rail Mounting type / front mounting with 4-hole attachment Mounting type / front mounting with central attachment Type from device O O O O O O O O O O O O O			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 / rail mounting Mounting type / front mounting with 4-hole attachment Mounting type / front mounting with central attachment Type from device O Acceptability for application Yes No Floor mounting and snap-on mounting to 35 mm standard mounting rail No No Fixed mounting type / front mounting with 4-hole attachment No Fixed mounting No Fixed mounting	Product extension / auxiliary switch		Yes
Number of changeover contacts / for auxiliary contacts Acceptability for application / switch disconnector Acceptability for application • emergency stop switch • main switch • safety cut-out switch • maintenance/repair switch Design of the operating mechanism Mounting type Mounting type / rail mounting Mounting type / front mounting with 4-hole attachment Mounting type / front mounting with central attachment Type from device Yes No Yes Floor mounting and snap-on mounting to 35 mm standard mounting rail No Mounting type / front mounting with 4-hole attachment No Type from device fixed mounting	Number of NC contacts / for auxiliary contacts		0
Acceptability for application / switch disconnector Acceptability for application • emergency stop switch • main switch • safety cut-out switch • maintenance/repair switch Design of the operating mechanism Mounting type Floor mounting and snap-on mounting to 35 mm standard mounting rail Mounting type / front mounting with 4-hole attachment Mounting type / front mounting with central attachment No Type from device Yes No No Type from device Fiscal mounting Yes No fixed mounting	Number of NO contacts / for auxiliary contacts		0
Acceptability for application • emergency stop switch • main switch • safety cut-out switch • maintenance/repair switch Design of the operating mechanism Mounting type Mounting type / rail mounting Mounting type / front mounting with 4-hole attachment Mounting type / front mounting with central attachment No Type from device No No No No No No No No No N	Number of changeover contacts / for auxiliary contacts		4
 emergency stop switch main switch safety cut-out switch maintenance/repair switch Design of the operating mechanism Mounting type Mounting type / rail mounting Mounting type / front mounting with 4-hole attachment Mounting type / front mounting with central attachment No Type from device No Type from device 	Acceptability for application / switch disconnector		Yes
 main switch safety cut-out switch maintenance/repair switch Design of the operating mechanism Mounting type Mounting type / rail mounting Mounting type / front mounting with 4-hole attachment Mounting type / front mounting with central attachment No Type from device Yes Mounting type / fixed mounting fixed mounting 	Acceptability for application		
 safety cut-out switch maintenance/repair switch Design of the operating mechanism Mounting type Mounting type / rail mounting Mounting type / front mounting with 4-hole attachment Mounting type / front mounting with central attachment No Type from device Yes No Type from device fixed mounting 	emergency stop switch		No
• maintenance/repair switch Design of the operating mechanism Mounting type Floor mounting and snap-on mounting to 35 mm standard mounting rail Mounting type / rail mounting Yes Mounting type / front mounting with 4-hole attachment No Mounting type / front mounting with central attachment No Type from device fixed mounting	• main switch		Yes
Design of the operating mechanism Mounting type Floor mounting and snap-on mounting to 35 mm standard mounting rail Yes Mounting type / front mounting with 4-hole attachment No Mounting type / front mounting with central attachment No Type from device without Floor mounting and snap-on mounting to 35 mm standard mounting rail Yes No No	safety cut-out switch		Yes
Mounting type Floor mounting and snap-on mounting to 35 mm standard mounting rail Yes Mounting type / front mounting with 4-hole attachment No Mounting type / front mounting with central attachment No Type from device Floor mounting and snap-on mounting to 35 mm standard mounting rail Yes No	maintenance/repair switch		Yes
Mounting type / rail mounting Yes Mounting type / front mounting with 4-hole attachment No Mounting type / front mounting with central attachment No Type from device fixed mounting	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 type		
Mounting type / front mounting with central attachment No Type from device fixed mounting	Mounting type / rail mounting		Yes
Type from device fixed mounting	Mounting type / front mounting with 4-hole attachment		No
	Mounting type / front mounting with central attachment		No
mounting position any	Type from device		fixed mounting
	mounting position		any

	_	
Position / of switch operating mechanism		at the left end
Design of handle		without
Width	mm	94
Height	mm	119
Depth	mm	68
Protection class IP		IP20
• on the front		IP20
• with closed switch / with cover or cable lug cover		IP20
Ambient temperature		
during operating	°C	-25 +70
during storage	°C	-50 +80
Degree of pollution		3
Mechanical operating cycles as operating time / typical		15,000
Electrical endurance (switching cycles)		
• at AC-23 A / at 690 V / at 50/60 Hz		6,000
• at DC-23 A		
• at 220 V		1,500
• at 440 V		1,500
Design of display		
 for switch position indicator door-coupling rotary operating mechanism 		ON-OFF
Net weight	g	720
Reference code / according to DIN EN 61346-2		Q
Item designation / according to DIN EN 81346-2		Q

Certificates/approvals:

General Product	ċ
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/3KD1630-2ME10-0

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

http://support.automation.siemens.com/WW/view/en/3KD1630-2ME10-0/all

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

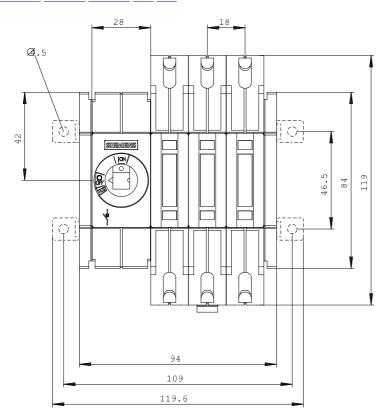
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3KD1630-2ME10-0

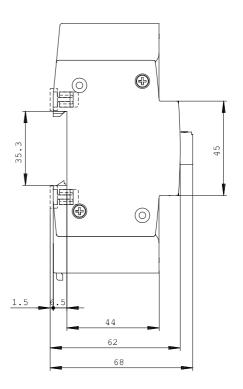
CAx-Online-Generator

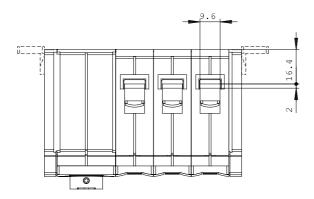
http://www.siemens.com/cax

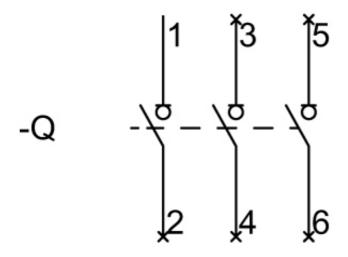
Tender specifications

Datanorm GAEB81 GAEB83 RTF TXT









last change: Apr 21, 2014