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Data sheet 3KE4230-0AA

switch disconnector 3-pole I=250A, U=690V, front rotary operating mechanism without handle

Model	
Product brand name	SENTRON
Product designation	Switch Disconnector 3KE
version	basic switch version without handle
Design type	For mounting and installation
Design of the operating mechanism	manual operating mechanism
Design of the load switch / Strip form	No
Type of the driving mechanism / motor drive	No
Number of poles	3
Type of voltage	AC/DC
Insulation voltage / rated value	1 000 V

Protection class	
Protection class IP	IP00

Dissipation	
Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	5 W

Electricity	
Continuous current / rated value	250 A

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Let-through current / I2 t / maximum permissible / in utilization category / AC-22 B / at 400 V	2 150 000 A²·s

Main circuit	
Number of poles / for main current circuit	3
Operating voltage	
• at AC / at 50/60 Hz / rated value	690 V
• at DC / rated value	440 V
Rated current Ie / maximum / in utilization category	
• AC-21 A / at 400 V	250 A
• AC-21 A / at 500 V	250 A
• AC-21 B / at 400 V	250 A
• AC-21 B / at 500 V	250 A
• AC-22 A / at 400 V	250 A
• AC-22 A / at 500 V	250 A
• AC-22 B / at 400 V	250 A
• AC-22 B / at 500 V	250 A

Auxiliary circuit	
Number of CO contacts / for auxiliary contacts	0
Number of NC contacts / for auxiliary contacts	0
Number of NO contacts / for auxiliary contacts	0
Product feature / interlock	No
Product extension	
• Auxiliary switch	Yes
• optional	
— motor drive	No
— Voltage trigger	No
— interlock	Yes

Short circuit	
Maximum short-circuit current breaking capacity (Icu) / at 400 V / rated value	50 000 A
Conditional rated short-circuit current	
• 400V	50 000 A
• 500V	50 000 A
• in utilization category / AC-21 A / at 400 V	50 000 A
• in utilization category / AC-21 A / at 500 V	50 000 A
• in utilization category / AC-21 B / at 400 V	50 000 A
• in utilization category / AC-21 B / at 500 V	50 000 A
• in utilization category / AC-22 A / at 400 V	50 000 A
• in utilization category / AC-22 A / at 500 V	50 000 A
• in utilization category / AC-22 B / at 400 V	50 000 A
• in utilization category / AC-22 B / at 500 V	50 000 A

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Connections

Connectable conductor cross-section	
• for main contacts	
— stranded / maximum	300 mm²
Type of connection, main circuit	Flat-type screw terminal; M10
Type of electrical connection	
• for main current circuit	flat connector

Mechanical Design

Height	200 mm
Width	194 mm
Depth	155 mm
Type of mounting	fixed mounted
Mounting type	floor mounting
Mounting type	
• front mounting with 4-hole attachment	No
• front mounting with central attachment	No
• rail mounting	No
Net weight	3.89 kg

Environmental conditions

Ambient temperature	
• during operation / minimum	-20 °C
• during operation / maximum	55 °C
• during storage / minimum	-50 °C
• during storage / maximum	80 °C

Certificates

Certificate of suitability	CE
Reference code / acc. to DIN EN 61346-2	Q

Declaration of Conformity	Test Certificates	Shipping Approval	other
EG-Konf.	Special Test Certificate	PRS	Miscellaneous

Further information

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

Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3KE4230-0AA

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3KE4230-0AA

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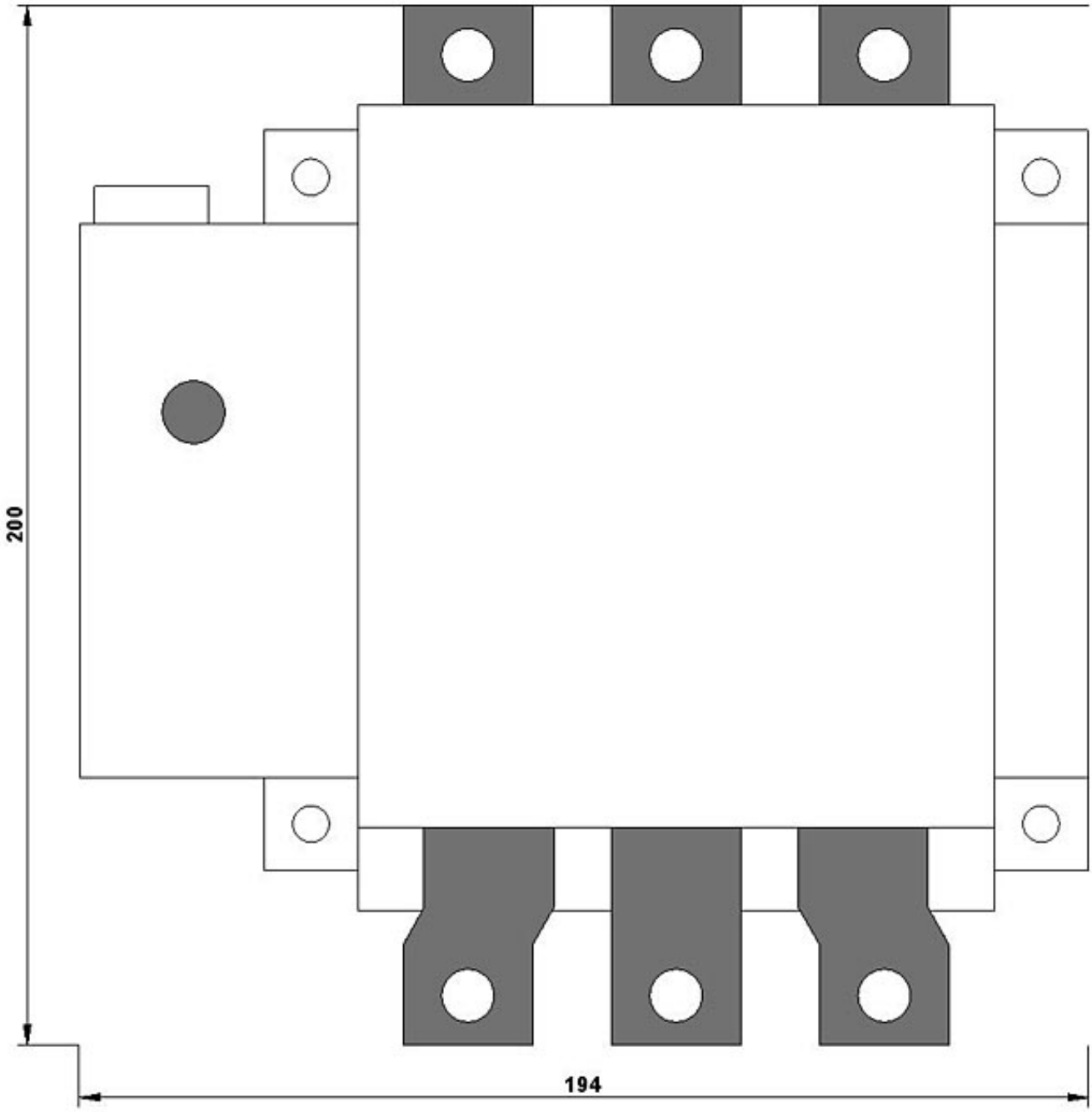
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3KE4230-0AA

CAx-Online-Generator
http://www.siemens.com/cax

Tender specifications
http://www.siemens.com/specifications



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