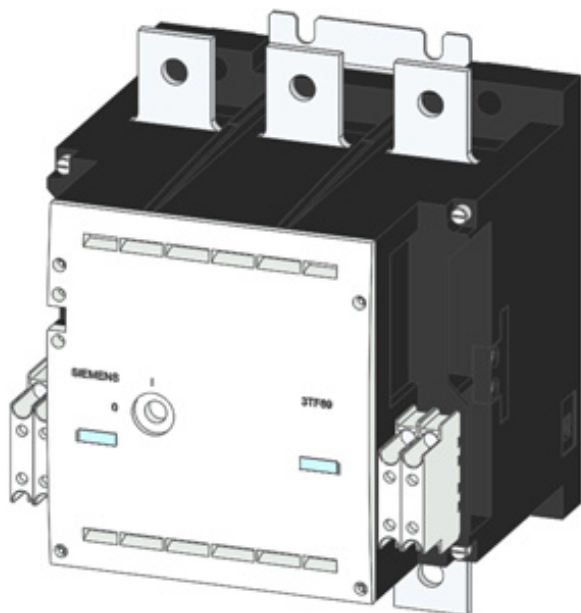


Contactor, Size 14, 3-pole, AC-3, 450 kW, 400/380 V (690 V)
Auxiliary switch 44 (4NO+4NC) AC operation 500...600 V AC 50/60 Hz



Product designation	Vacuum contactor
Product type designation	3TF6
General technical data	
Size of contactor	14
Protection class IP	
• on the front	IP00
Reference code acc. to DIN EN 81346-2	Q
Ambient conditions	
Ambient temperature	
• during operation	-25 ... +55 °C
Main circuit	
Number of poles for main current circuit	3
Number of NO contacts for main contacts	3
Number of NC contacts for main contacts	0
Operating current	
• at AC-3	
— at 400 V rated value	820 A
• at AC-4 at 400 V rated value	360 A

Operating power	
• at AC-1 — at 400 V rated value • at AC-3 — at 400 V rated value • at AC-4 at 400 V rated value	558 kW 450 kW 191 000 W
Control circuit/ Control	
Type of voltage of the control supply voltage	AC
Control supply voltage at AC	
• at 50 Hz rated value • at 60 Hz rated value	500 ... 600 V 500 ... 600 V
Control version of the switch operating mechanism	conventional
Auxiliary circuit	
Number of NC contacts for auxiliary contacts	
• instantaneous contact	4
Number of NO contacts for auxiliary contacts	
• instantaneous contact	4
Installation/ mounting/ dimensions	
Mounting type	screw fixing
• Side-by-side mounting	Yes
Height	295 mm
Width	230 mm
Depth	237 mm
Connections/Terminals	
Type of electrical connection	
• for main current circuit • for auxiliary and control current circuit	screw-type terminals screw-type terminals
Certificates/approvals	

General Product Approval	Functional Safety/Safety of Machinery
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CCC



CSA



UR



UL



[Type Examination Certificate](#)

Declaration of Conformity	Test Certificates	Marine / Shipping
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EG-Konf.

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)

[Miscellaneous](#)



Marine / Shipping	other
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[Environmental Conformations](#)

[Miscellaneous](#)

[Confirmation](#)

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3TF6944-0CS7>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3TF6944-0CS7>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3TF6944-0CS7>

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

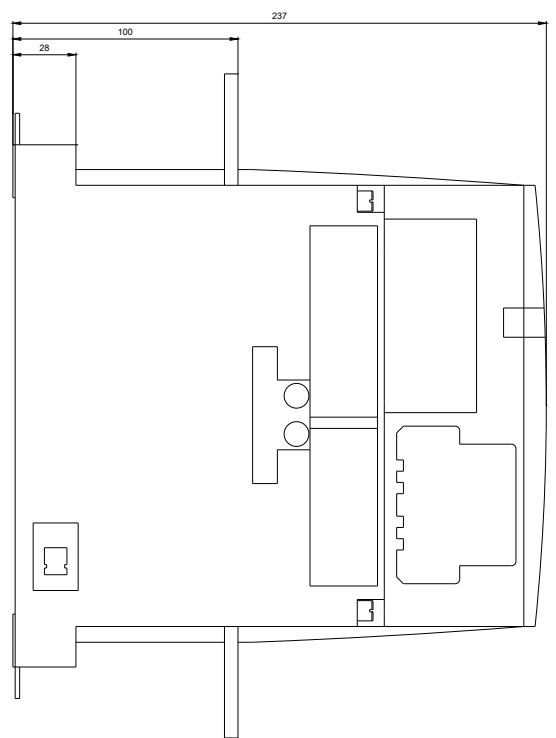
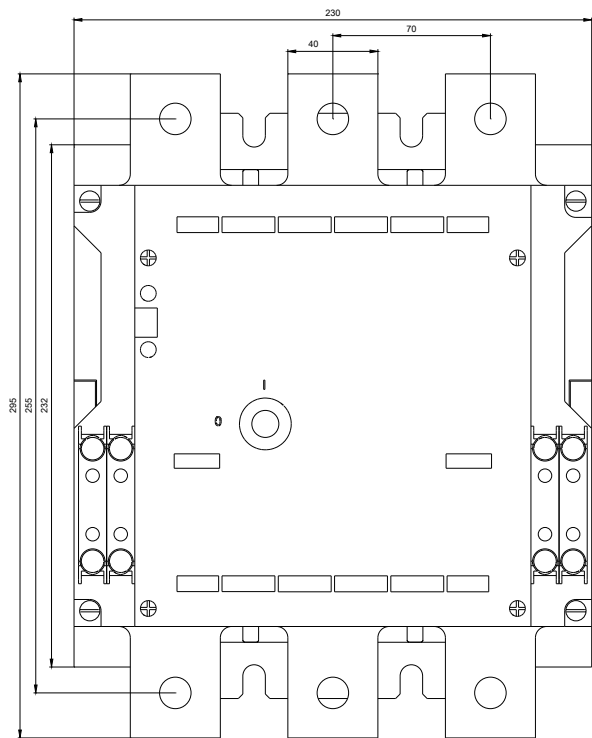
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3TF6944-0CS7&lang=en

Characteristic: Tripping characteristics, I²t, Let-through current

<https://support.industry.siemens.com/cs/ww/en/ps/3TF6944-0CS7/char>

Further characteristics (e.g. electrical endurance, switching frequency)

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3TF6944-0CS7&objecttype=14&gridview=view1>



last modified:

12/19/2018