

Contactor, Size 14, 3-pole, AC-3, 335kW, 400/380 V (690 V)
Auxiliary switch 33 (3 NO+3 NC) with reversing contactor 3TC4417-4A and series resistor DC economy circuit 230 V DC

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	630 A
• at AC-4 at 400 V rated value	300 A
Operating power	
• at AC-1	
— at 400 V rated value	415 kW
• at AC-3	
— at 400 V rated value	335 kW
• at AC-4 at 400 V rated value	168 000 W

Control circuit/ Control

Type of voltage of the control supply voltage	DC
Control supply voltage at DC	
• rated value	230 V
Control version of the switch operating mechanism	conventional

Auxiliary circuit

Number of NC contacts for auxiliary contacts	
• instantaneous contact	3
Number of NO contacts for auxiliary contacts	

- instantaneous contact

3

Installation/ mounting/ dimensions

Mounting type	screw fixing
• Side-by-side mounting	Yes
Height	232 mm
Width	230 mm
Depth	237 mm

Connections/Terminals

Type of electrical connection	
• for main current circuit	screw-type terminals
• for auxiliary and control current circuit	screw-type terminals

Certificates/approvals

General Product Approval	Functional Safety/Safety of Machinery
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[Type Examination Certificate](#)

Declaration of Conformity	Test Certificates	Marine / Shipping
 EG-Konf.	Special Test Certificate Type Test Certificates/Test Report Miscellaneous	 BUREAU VERITAS RMRS

Marine / Shipping	other
 DNV-GL DNVGL.COM/AF	Environmental Conformations 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=3TF6833-1DP4>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3TF6833-1DP4>

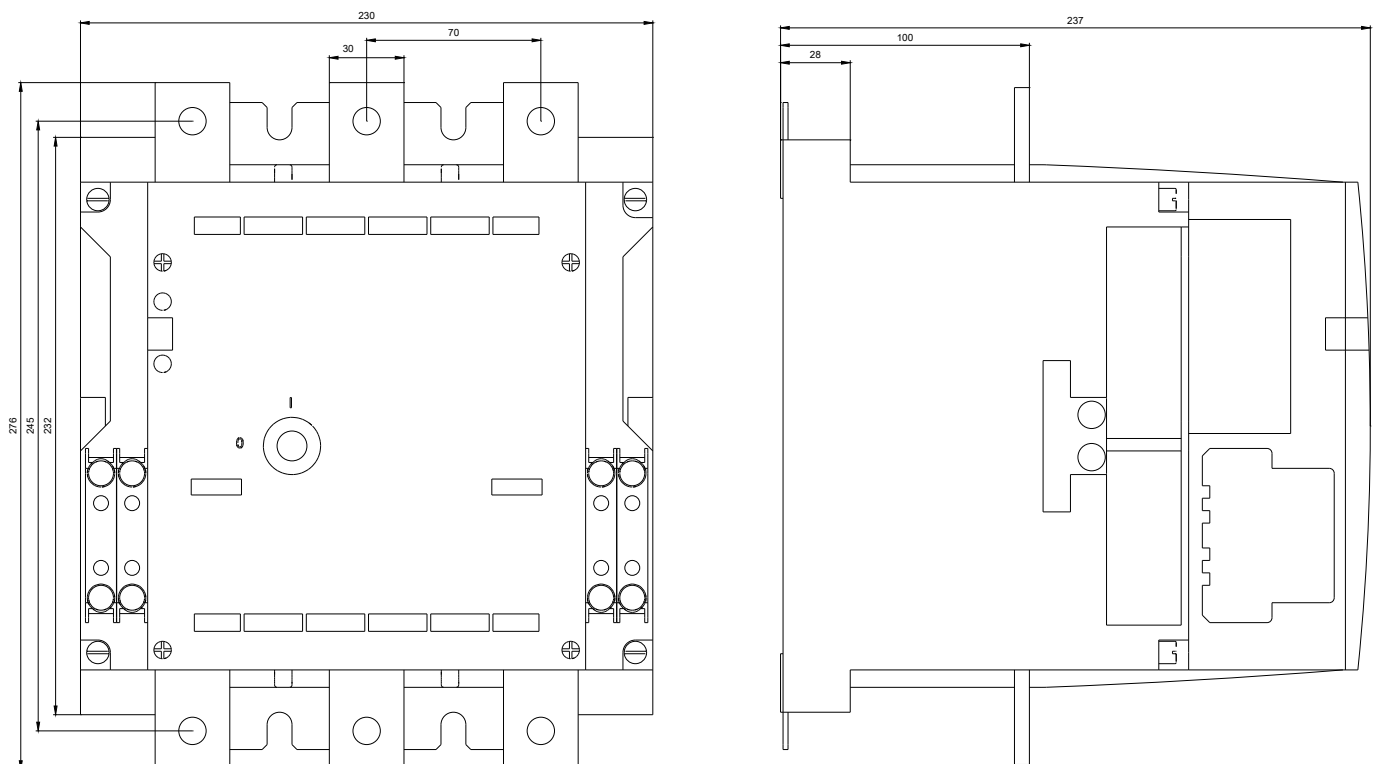
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3TF6833-1DP4>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3TF6833-1DP4&lang=en

Characteristic: Tripping characteristics, I^2t , Let-through current
<https://support.industry.siemens.com/cs/ww/en/ps/3TF6833-1DP4/char>

Further characteristics (e.g. electrical endurance, switching frequency)
<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3TF6833-1DP4&objecttype=14&gridview=view1>



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