

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 110 V DC

| | |
|---------------------------------|------------------|
| Product designation | Vacuum contactor |
| Product type designation | 3TF6 |

General technical data

| | |
|--|------|
| Size of contactor | 14 |
| Protection class IP | IP00 |
| • on the front | |
| Reference code acc. to DIN EN 81346-2 | Q |

Ambient conditions

| | |
|----------------------------|----------------|
| Ambient temperature | -25 ... +55 °C |
| • during operation | |

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

Control circuit/ Control

| | |
|--|--------------|
| Type of voltage of the control supply voltage | DC |
| Control supply voltage at DC | 110 V |
| • rated value | |
| Control version of the switch operating mechanism | conventional |

Auxiliary circuit

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

- instantaneous contact

3

Installation/ mounting/ dimensions




| | |
|---|--------------|
| Mounting type | screw fixing |
| <ul style="list-style-type: none"> • Side-by-side mounting | Yes |
| Height | 232 mm |
| Width | 230 mm |
| Depth | 237 mm |

Connections/Terminals

| | |
|---|----------------------|
| Type of electrical connection | |
| <ul style="list-style-type: none"> • for main current circuit | screw-type terminals |
| <ul style="list-style-type: none"> • for auxiliary and control current circuit | screw-type terminals |

Certificates/approvals

| | |
|--|--|
| General Product Approval | Functional Safety/Safety of Machinery |
|  CCC |  CSA |
|  UR |  UL |
|  EAC | Type Examination Certificate |

| | |
|--|---|
| Test Certificates | Marine / Shipping |
| Special Test Certificate |  BUREAU VERITAS |
| Type Test Certificates/Test Report |  RMRS |
| Miscellaneous |  DNV-GL |

| |
|---|
| other |
| Environmental Confirmations |
| Confirmation |

Further information

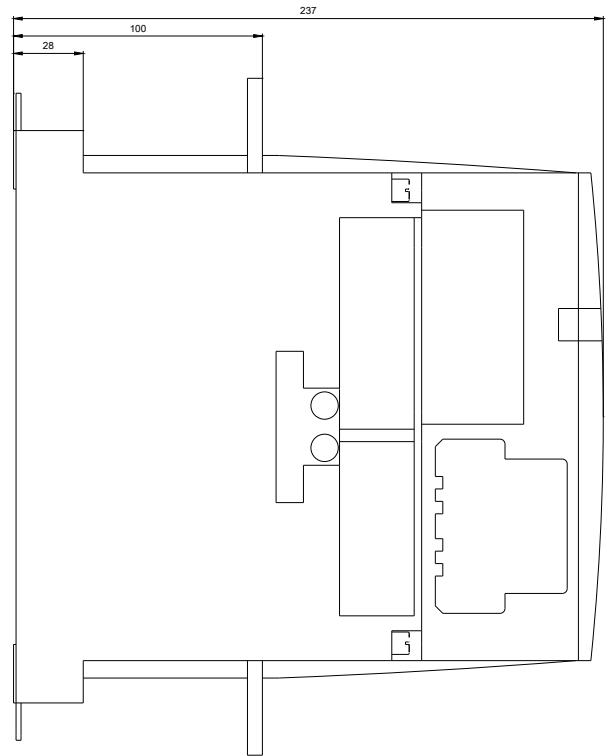
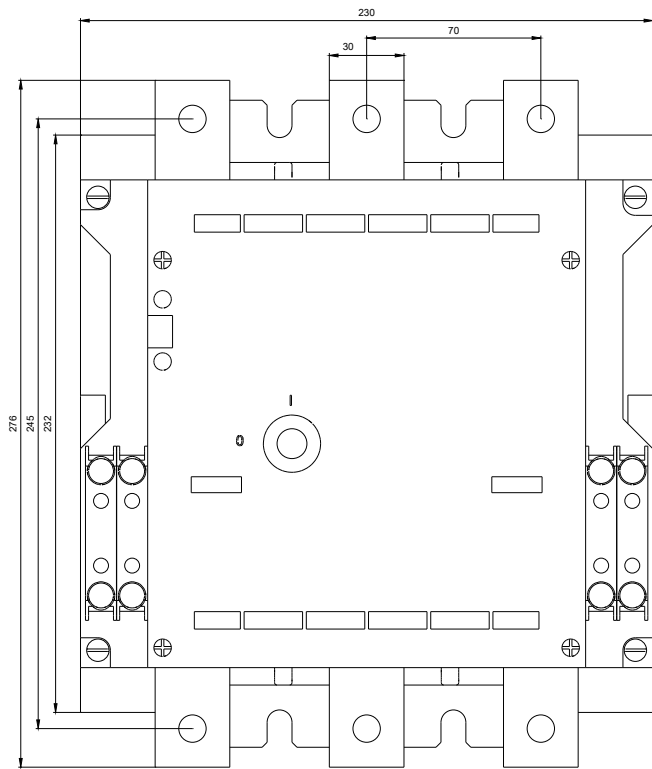
- Information- and Downloadcenter (Catalogs, Brochures,...)**
<http://www.siemens.com/industrial-controls/catalogs>
- Industry Mall (Online ordering system)**
<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3TF6833-1DF4>
- Cax online generator**
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3TF6833-1DF4>
- Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**
<https://support.industry.siemens.com/cs/ww/en/ps/3TF6833-1DF4>
- Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3TF6833-1DF4&lang=en

Characteristic: Tripping characteristics, I²t, Let-through current

<https://support.industry.siemens.com/cs/ww/en/ps/3TF6833-1DF4/char>

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

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3TF6833-1DF4&objecttype=14&gridview=view1>



last modified:

12/19/2018