

circuit breaker 3VA1 IEC frame 400 breaking capacity class M  
Icu=55kA @ 415V 3-pole, line protection TM240, ATAM, In=400A  
overload protection Ir=280A...400A short-circuit protection Ii=5...10 x  
In nut keeper kit



| Model                                          |                             |
|------------------------------------------------|-----------------------------|
| Product brand name                             | SETRON                      |
| Product designation                            | Molded case circuit breaker |
| Design of the product                          | Line protection             |
| Design of the overcurrent release              | TM240                       |
| Protective function of the overcurrent release | LI                          |
| Number of poles                                | 3                           |

| General technical data                                                                           |        |
|--------------------------------------------------------------------------------------------------|--------|
| Tension assignée d'isolement Ui                                                                  | 800 V  |
| Max. rated operational voltage Ue with AC 50/60Hz                                                | 690 V  |
| Max. rated operational voltage Ue with DC                                                        | 500 V  |
| Active power loss / for rated value of the current / at AC / in hot operating state / per device | 92.1 W |
| Active power loss / for rated value of the current / at AC / in hot operating state / per pole   | 30.7 W |
| Mechanical service life (switching cycles) / typical                                             | 15 000 |
| Electrical endurance (switching cycles) / at AC-1 / at 380/415 V 50/60 Hz                        | 6 000  |
| Neutral conductors / upgradeable/retrofittable                                                   | No     |

|                                 |         |
|---------------------------------|---------|
| Ground fault monitoring version | Without |
| Product function                |         |
| • communication function        | No      |
| • other measurement function    | No      |
| Net weight                      | 3.9 kg  |

#### Electricity

|                                                                   |       |
|-------------------------------------------------------------------|-------|
| Max. rated operational voltage of the size of the circuit-breaker | 400 A |
| Courant permanent assigné Iu                                      | 400 A |
| Operating current                                                 |       |
| • at 40 °C                                                        | 400 A |
| • at 45 °C                                                        | 400 A |
| • at 50 °C                                                        | 400 A |
| • at 55 °C                                                        | 392 A |
| • at 60 °C                                                        | 384 A |
| • at 65 °C                                                        | 376 A |
| • at 70 °C                                                        | 367 A |

#### Switching capacity according to IEC 60947

|                                                           |         |
|-----------------------------------------------------------|---------|
| Switching capacity class of the circuit breaker           | M       |
| Maximum short-circuit current breaking capacity (Icu)     |         |
| • at 240 V                                                | 85 kA   |
| • at 415 V                                                | 55 kA   |
| • at 690 V                                                | 7 kA    |
| Operational short-circuit current breaking capacity (Ics) |         |
| • at 240 V                                                | 85 kA   |
| • at 415 V                                                | 55 kA   |
| • at 690 V                                                | 5 kA    |
| Short-circuit current making capacity (Icm)               |         |
| • at 240 V                                                | 187 kA  |
| • at 415 V                                                | 121 kA  |
| • at 690 V                                                | 11.9 kA |

#### Adjustable parameters

|                                                                         |         |
|-------------------------------------------------------------------------|---------|
| Adjustable response value current / I <sub>g</sub> min.                 | 280 A   |
| Adjustable response value current / I <sub>g</sub> min.                 | 400 A   |
| Adjustable response value current / I <sub>i</sub> min.                 | 2 000 A |
| Adjustable response value current / I <sub>i</sub> max.                 | 4 000 A |
| Design of the N-conductor protection                                    | Without |
| Ground fault protection / tripping switchable / I <sub>2t</sub> =ON/OFF | No      |

#### Mechanical Design

|             |        |
|-------------|--------|
| Height [in] | 8.3 in |
| Height      | 210 mm |
| Width [in]  | 5.4 in |
| Width       | 138 mm |
| Depth [in]  | 4.3 in |
| Depth       | 110 mm |

#### Connections

|                                                                 |                |
|-----------------------------------------------------------------|----------------|
| Arrangement of electrical connectors / for main current circuit | Front terminal |
| Type of electrical connection / for main current circuit        | lug terminal   |

#### Auxiliary circuit

|                                                |   |
|------------------------------------------------|---|
| Number of CO contacts / for auxiliary contacts | 0 |
|------------------------------------------------|---|

#### Accessories

|                                            |     |
|--------------------------------------------|-----|
| Product extension / optional / motor drive | Yes |
|--------------------------------------------|-----|

#### Environmental conditions

|                                    |        |
|------------------------------------|--------|
| Protection class IP / on the front | IP40   |
| Ambient temperature                |        |
| • during operation / minimum       | -25 °C |
| • during operation / maximum       | 70 °C  |
| • during storage / minimum         | -40 °C |
| • during storage / maximum         | 80 °C  |

#### Certificates

|                                         |   |
|-----------------------------------------|---|
| Reference code / acc. to DIN EN 81346-2 | Q |
|-----------------------------------------|---|

#### 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=3VA1340-5EF32-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA1340-5EF32-0AA0>

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

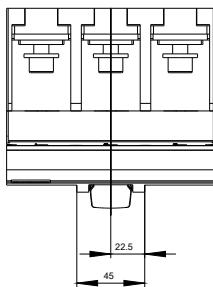
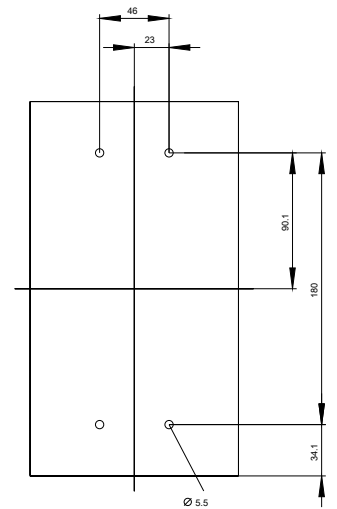
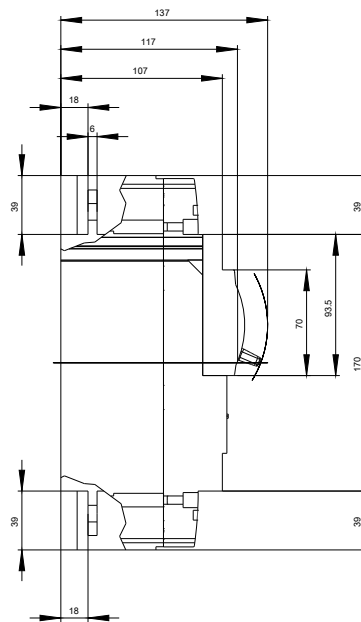
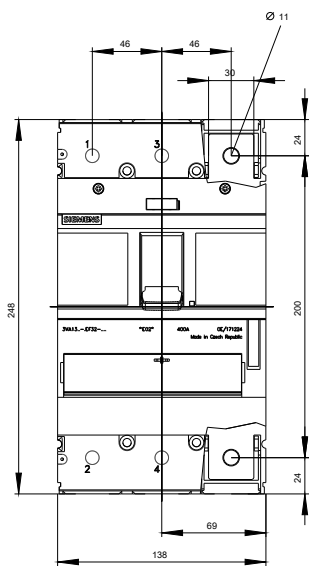
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3VA1340-5EF32-0AA0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA1340-5EF32-0AA0)

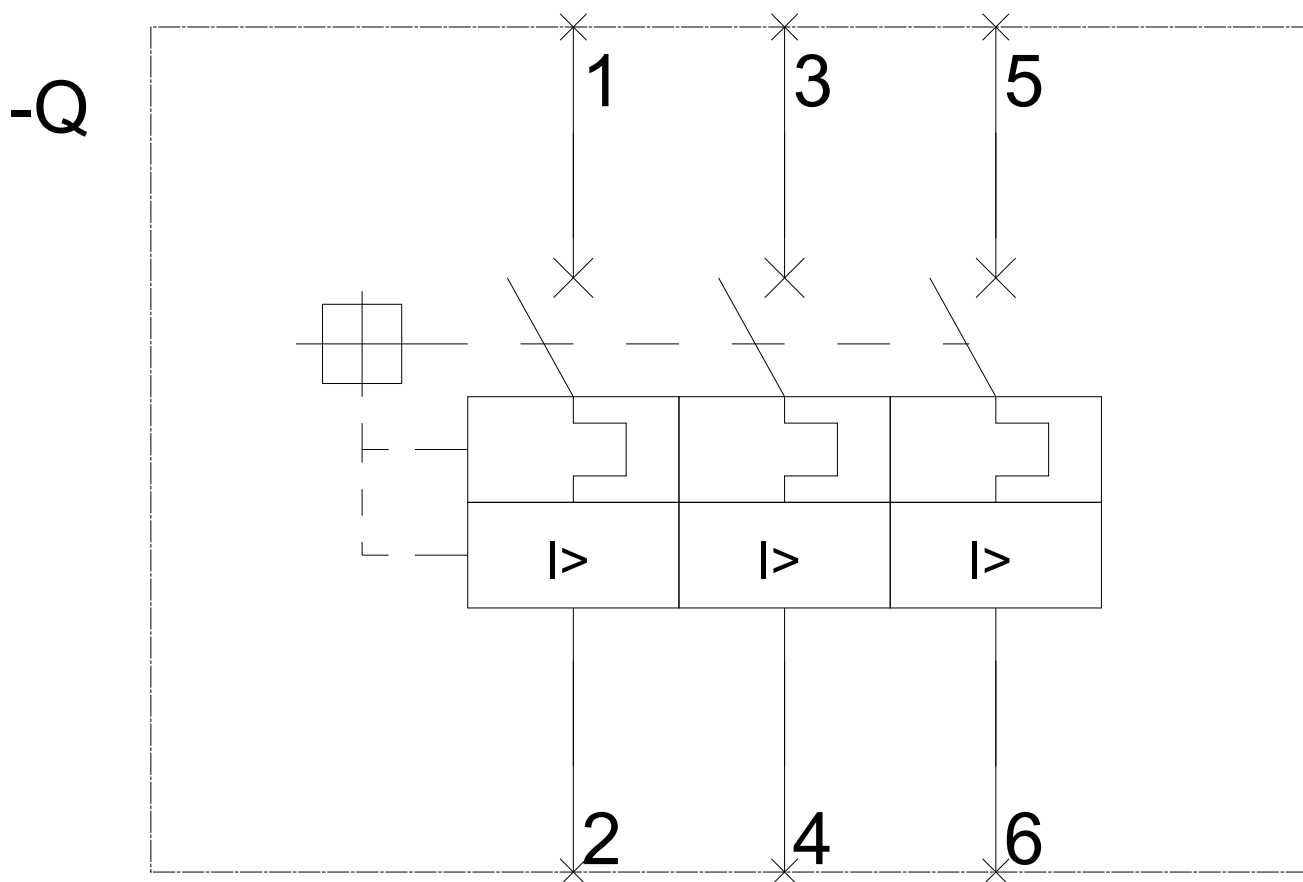
##### CAX-Online-Generator

<http://www.siemens.com/cax>

##### Tender specifications

<http://www.siemens.com/specifications>





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