



CIRCUIT BREAKER 3VA2 IEC FRAME 250 BREAKING CAPACITY CLASS M ICU=55KA @ 415 V 4POLE, LINE PROTECTION ETU330, LIG, IN=250A OVERLOAD PROTECTION IR=100A ...250A SHORT CIRCUIT PROTECTION II=1,5...10 X IN NEUTRAL PROTECTION ADJUSTABLE(OFF,50%,100%) GROUNDFAULTPROTECTION IG=0,2... 1 X IN, TG=0,1/0,3MS BUSBAR CONNECTION

Similar to image

| General technical data:  |   |                              |
|--|---|------------------------------|
| product brand name   |   | SENTRON                      |
| Product designation  |   | Molded Case Circuit Breakers |
| Acceptability for application  |   | system protection            |
| Design of the product  |   | Line Protection              |
| Product function   |   |                              |
| • communication function   |   | No                           |
| • other measurement function   |   | No                           |
| Product component / display  |   | No                           |
| Design of the overcurrent release  |   | ETU330                       |
| Protective function of the overcurrent release   |   | LIG                          |
| Product property / for zero conductors / up/downgradable / short-circuit and overload protection |   | No                           |
| Continuous current / rated value   | A | 250                          |
| Operating voltage  |   |                              |
| • at 50/60 Hz / for AC / rated value   | V | 690                          |
| Insulation voltage / rated value   | V | 800                          |
| Number of poles  |   | 4                            |
| Active power loss / maximum  | W | 48                           |

|  |  |      |
|--|--|------|
| <b>Switching capacity class of the circuit breaker</b> |  | M    |
| <b>Protection class IP / on the front</b>              |  | IP40 |

#### Motor rating data:

|   |  |    |
|---|--|----|
| <b>Product function / phase disturbance recognition</b> |  | No |
|---|--|----|

#### Schaltvermögen:

##### Breaking capacity limit short-circuit current (I<sub>cu</sub>)

|                          |    |    |
|--------------------------|----|----|
| • at 240 V / rated value | kA | 85 |
| • at 415 V / rated value | kA | 55 |
| • at 690 V / rated value | kA | 3  |

##### Breaking capacity operating short-circuit current (I<sub>cs</sub>)

|                          |    |    |
|--------------------------|----|----|
| • at 240 V / rated value | kA | 85 |
| • at 415 V / rated value | kA | 55 |
| • at 690 V / rated value | kA | 3  |

##### Ultimate short-circuit current making capacity (I<sub>cm</sub>)

|                          |    |     |
|--------------------------|----|-----|
| • at 240 V / rated value | kA | 187 |
| • at 415 V / rated value | kA | 121 |
| • at 690 V / rated value | kA | 4.5 |

#### Overcurrent Release:

##### Adjustable response current

|  |   |           |
|--|---|-----------|
| • of the current-dependent overload release                | A | 0.4 ... 1 |
| • of the non-delayed short-circuit release / initial value | A | 1.5       |

##### Settable current response value / of I-trip / end value

|                                |   |             |
|--------------------------------|---|-------------|
| • with standard characteristic | A | 10          |
| • with standard characteristic | A | 0.2 ... 1   |
|                                | s | 0.1 ... 0.3 |

#### Connections:

##### Design of the electrical connection

|                            |  |              |
|----------------------------|--|--------------|
| • for main current circuit |  | Lug Terminal |
|----------------------------|--|--------------|

#### Control circuit:

##### Number of changeover contacts

|                          |  |   |
|--------------------------|--|---|
| • for auxiliary contacts |  | 0 |
|--------------------------|--|---|

##### Product component

|   |  |    |
|---|--|----|
| • undervoltage release mechanism            |  | No |
| • Voltage trigger                           |  | No |
| • undervoltage release with leading contact |  | No |
| • trip indicator                            |  | No |

##### Manufacturer article number

|  |  |  |
|--|--|--|
| • 3 of the integrated auxiliary switch /alarm switch |  |  |
|--|--|--|

- of integrated auxiliary trip

#### Ambient conditions:

##### Ambient temperature

- during operating
- during storage

|    |             |
|----|-------------|
| °C | -25 ... +70 |
| °C | -40 ... +80 |

#### Dimensions and weights:

|                   |    |       |
|-------------------|----|-------|
| <b>Width</b>      | mm | 140   |
| <b>Height</b>     | mm | 181   |
| <b>Depth</b>      | mm | 107   |
| <b>Net weight</b> | g  | 3,080 |

#### Lebensdauer:

|  |        |
|--|--------|
| <b>Mechanical operating cycles as operating time / typical</b> | 20,000 |
| <b>Reference code / according to DIN EN 61346-2</b>            | Q      |

#### Certificates/approvals:

**Declaration of Conformity**

#### Further information:

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

<http://www.siemens.com/lowvoltage/catalogs>

##### Industry Mall (Online ordering system)

<https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3VA2225-5HM42-0AA0>

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

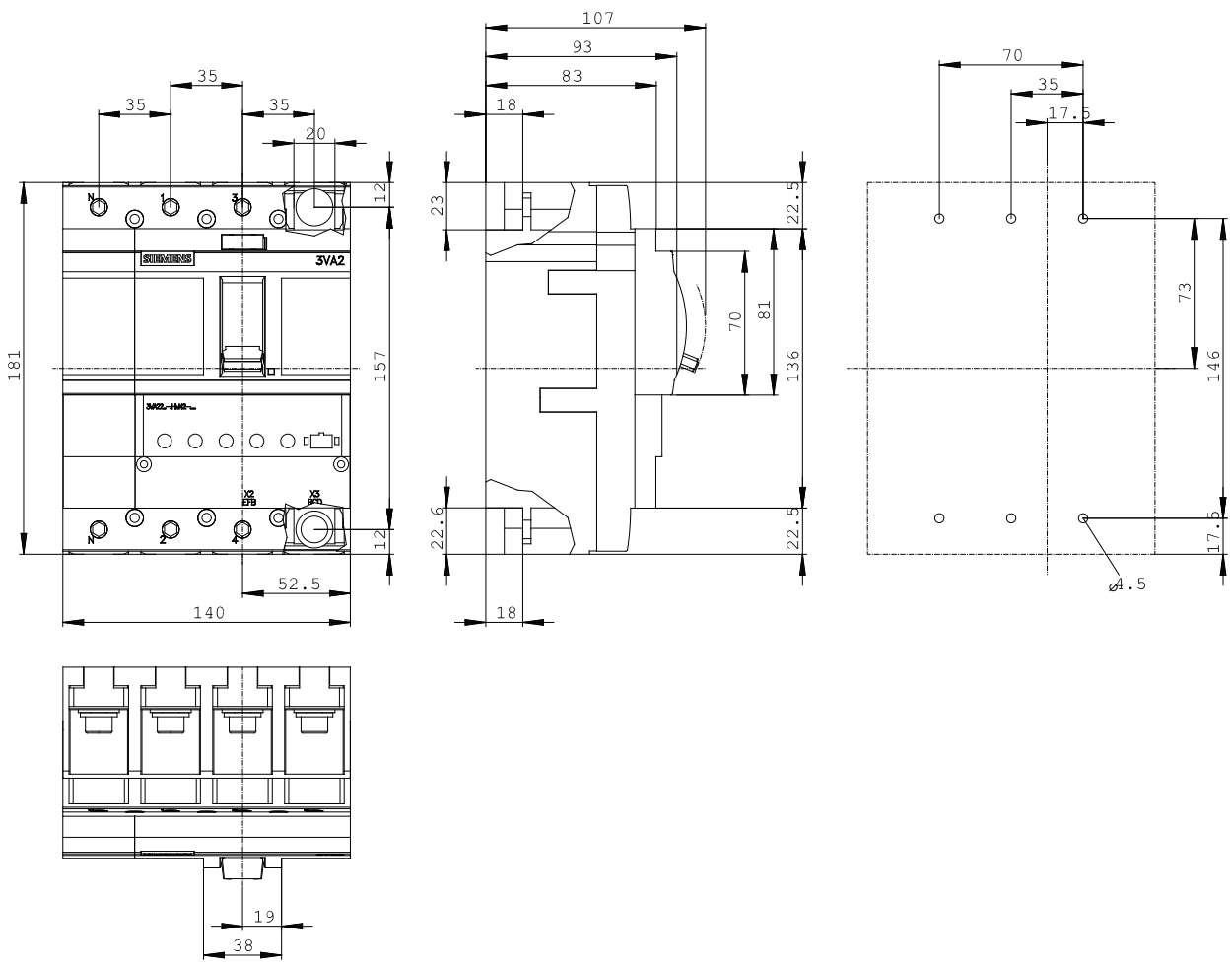
<http://support.automation.siemens.com/WW/view/en/3VA2225-5HM42-0AA0/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3VA2225-5HM42-0AA0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2225-5HM42-0AA0)

##### CAX-Online-Generator

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



**last change:**

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