



CIRCUIT BREAKER 3VA2 IEC FRAME 100 BREAKING CAPACITY CLASS M ICU=55KA @ 415 V 4POLE, LINE PROTECTION ETU320, LI, IN=63A OVERLOAD PROTECTION IR=25A ...63A SHORT CIRCUIT PROTECTION II=12 X IN NEUTRAL PROTECTION ADJUSTABLE(OFF,100%) BUSBAR CONNECTION

Similar to image

### General technical data:

|                                                                                                  |   |                              |
|--------------------------------------------------------------------------------------------------|---|------------------------------|
| product brand name                                                                               |   | SETRON                       |
| 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                                                                |   | ETU320                       |
| Protective function of the overcurrent release                                                   |   | LI                           |
| Product property / for zero conductors / up/downgradable / short-circuit and overload protection |   | No                           |
| Continuous current / rated value                                                                 | A | 63                           |
| 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 | 13.5                         |

|                                                        |  |      |
|--------------------------------------------------------|--|------|
| <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 | 2  |

##### 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 | 2  |

##### 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 | 3   |

#### Overcurrent Release:

##### Adjustable response current

|                                                            |   |             |
|------------------------------------------------------------|---|-------------|
| • of the current-dependent overload release                | A | 0.397 ... 1 |
| • of the non-delayed short-circuit release / initial value | A | 1.5         |

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

|   |    |
|---|----|
| A | 12 |
|---|----|

#### 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:

|            |    |       |
|------------|----|-------|
| Width      | mm | 140   |
| Height     | mm | 181   |
| Depth      | mm | 107   |
| Net weight | g  | 2,930 |

#### Lebensdauer:

|                                                         |  |        |
|---------------------------------------------------------|--|--------|
| Mechanical operating cycles as operating time / typical |  | 20,000 |
| Reference code / according to DIN EN 61346-2            |  | 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/3VA2063-5HL42-0AA0>

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

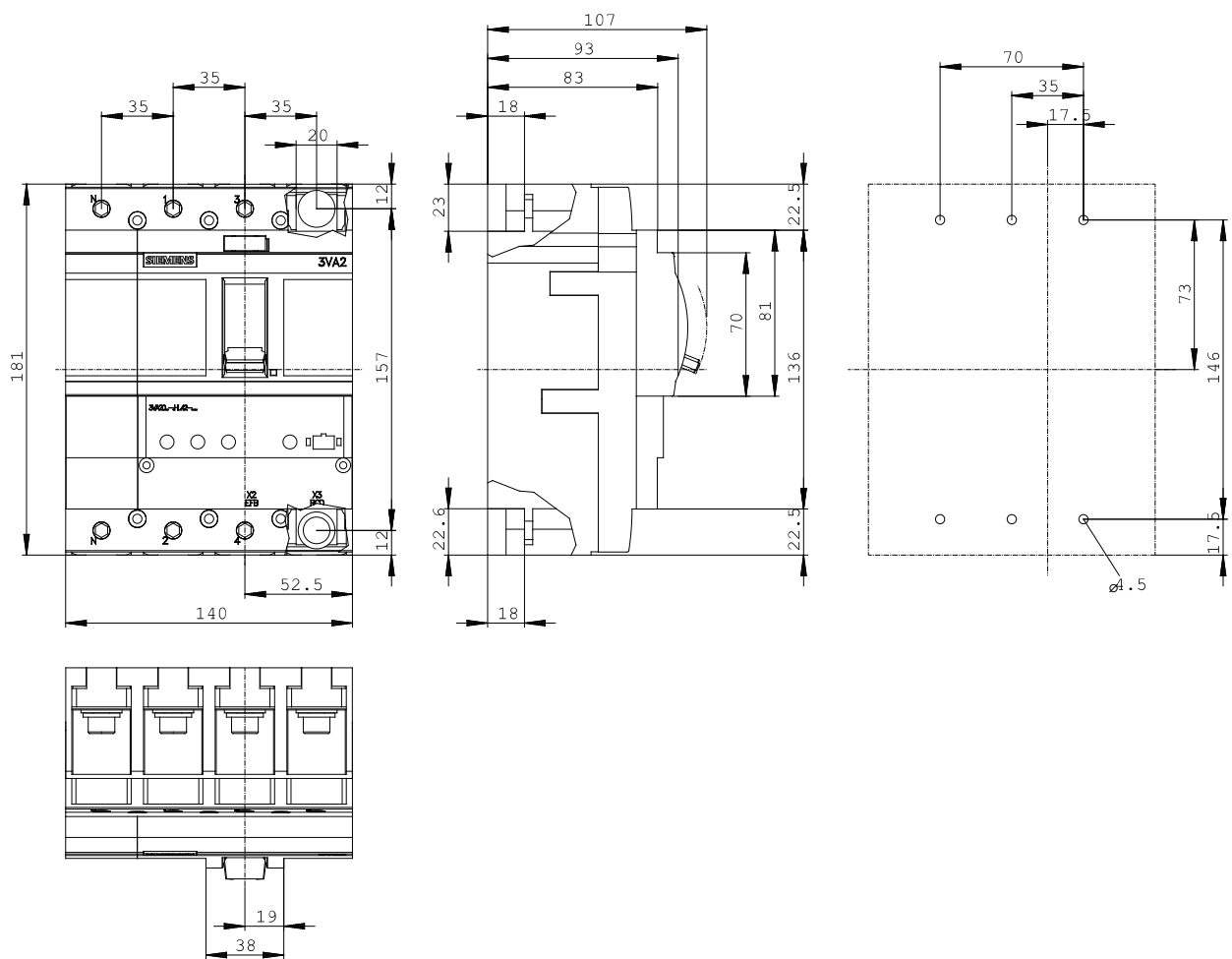
<http://support.automation.siemens.com/WW/view/en/3VA2063-5HL42-0AA0/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3VA2063-5HL42-0AA0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2063-5HL42-0AA0)

##### CAX-Online-Generator

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



**last change:**

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