



CIRCUIT BREAKER 3VA2 IEC FRAME 100 BREAKING CAPACITY CLASS M ICU=55KA @ 415 V 3POLE, LINE PROTECTION ETU320, LI, IN=25A OVERLOAD PROTECTION IR=10A ...25A SHORT CIRCUIT PROTECTION II=12 X IN CABLE 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                                                                |                                      | 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                                    | 25                           |
| Operating voltage                                                                                |                                      |                              |
|                                                                                                  | • at 50/60 Hz / for AC / rated value | V 690                        |
| Insulation voltage / rated value                                                                 | V                                    | 800                          |
| Number of poles                                                                                  |                                      | 3                            |
| 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:

|                                                                           |    |     |
|---------------------------------------------------------------------------|----|-----|
| <b>Breaking capacity limit short-circuit current (I<sub>cu</sub>)</b>     |    |     |
| • at 240 V / rated value                                                  | kA | 85  |
| • at 415 V / rated value                                                  | kA | 55  |
| • at 690 V / rated value                                                  | kA | 2   |
| <b>Breaking capacity operating short-circuit current (I<sub>cs</sub>)</b> |    |     |
| • at 240 V / rated value                                                  | kA | 85  |
| • at 415 V / rated value                                                  | kA | 55  |
| • at 690 V / rated value                                                  | kA | 2   |
| <b>Ultimate short-circuit current making capacity (I<sub>cm</sub>)</b>    |    |     |
| • at 240 V / rated value                                                  | kA | 187 |
| • at 415 V / rated value                                                  | kA | 121 |
| • at 690 V / rated value                                                  | kA | 3   |

#### Overcurrent Release:

|                                                                |   |           |
|----------------------------------------------------------------|---|-----------|
| <b>Adjustable response current</b>                             |   |           |
| • of the current-dependent overload release                    | A | 0.4 ... 1 |
| • of the non-delayed short-circuit release / initial value     | A | 1.5       |
| <b>Settable current response value / of I-trip / end value</b> | A | 12        |

#### Connections:

|                                            |  |                |
|--------------------------------------------|--|----------------|
| <b>Design of the electrical connection</b> |  |                |
| • for main current circuit                 |  | Frame terminal |

#### Control circuit:

|                                                      |  |    |
|------------------------------------------------------|--|----|
| <b>Number of changeover contacts</b>                 |  |    |
| • for auxiliary contacts                             |  | 0  |
| <b>Product component</b>                             |  |    |
| • undervoltage release mechanism                     |  | No |
| • Voltage trigger                                    |  | No |
| • undervoltage release with leading contact          |  | No |
| • trip indicator                                     |  | No |
| <b>Manufacturer article number</b>                   |  |    |
| • 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 | 105   |
| Height     | mm | 181   |
| Depth      | mm | 107   |
| Net weight | g  | 2,430 |

#### 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/3VA2025-5HL36-0AA0>

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

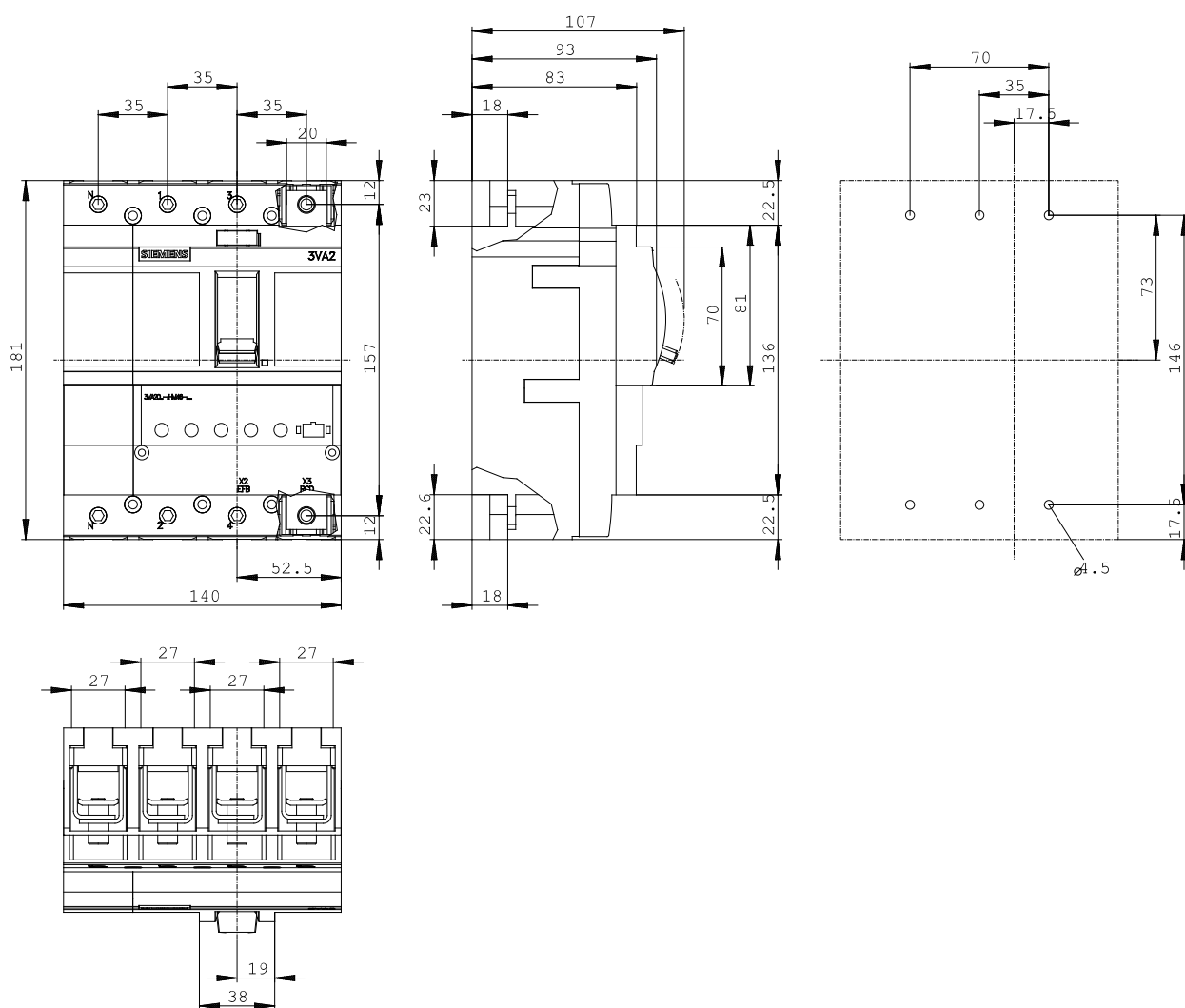
<http://support.automation.siemens.com/WW/view/en/3VA2025-5HL36-0AA0/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3VA2025-5HL36-0AA0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2025-5HL36-0AA0)

CAX-Online-Generator

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



**last change:**

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