



CIRCUIT BREAKER 3VA2 IEC FRAME 100 BREAKING CAPACITY CLASS M ICU=55KA @ 415 V 3POLE, LINE PROTECTION ETU350, LSI, IN=40A OVERLOAD PROTECTION IR=16A ...40A SHORT CIRCUIT PROTECTION ISD=1,5... 10 X IR, 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                                                                |                                      | ETU350                       |
| Protective function of the overcurrent release                                                   |                                      | LSI                          |
| Product property / for zero conductors / up/downgradable / short-circuit and overload protection |                                      | No                           |
| Continuous current / rated value                                                                 | A                                    | 40                           |
| 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 (Icu)</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 (Ics)</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 (Icm)</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 | 12           |
| <b>Adjustable response current</b>                             |   |              |
| • of the short-time delayed short-circuit release              | A | 1.5 ... 10   |
| <b>Settable delay / of the S-trip</b>                          |   |              |
| • with I2t characteristic                                      | s | 0.02 ... 0.4 |
| <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 |

**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 | 105   |
| <b>Height</b>     | mm | 181   |
| <b>Depth</b>      | mm | 107   |
| <b>Net weight</b> | g  | 2,430 |

**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/3VA2040-5HN36-0AA0>

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

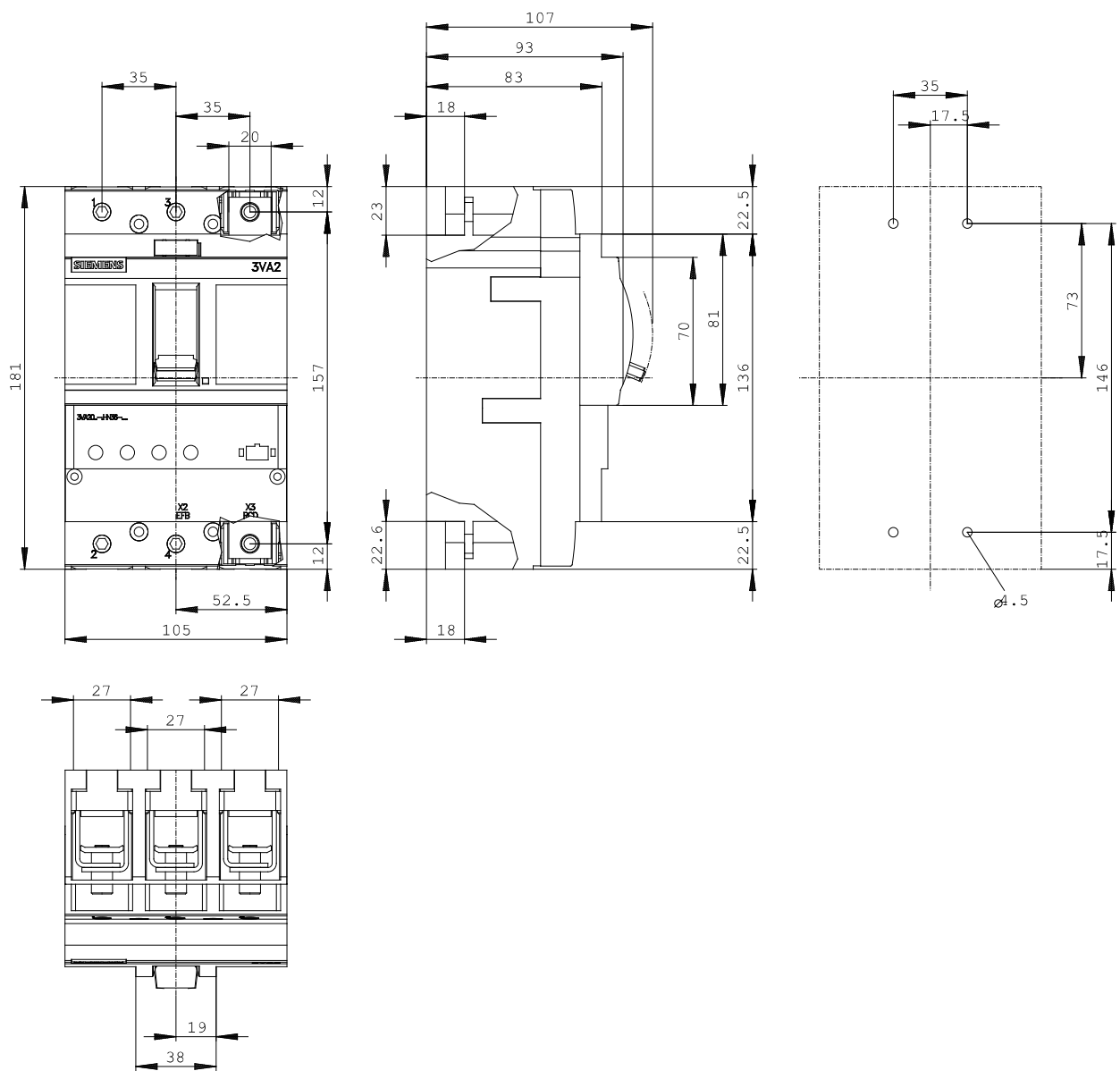
<http://support.automation.siemens.com/WW/view/en/3VA2040-5HN36-0AA0/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3VA2040-5HN36-0AA0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2040-5HN36-0AA0)

**CAX-Online-Generator**

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



**last change:**

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