# SIEMENS

CIRCUIT BREAKER 3VA2 IEC FRAME 160 BREAKING
CAPACITY CLASS  M ICU=55KA @ 415 V 3POLE,
LINE PROTECTION ETU350, LSI,
IN=100A OVERLOAD PROTECTION IR=40A ...100A
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 | 100 |
| **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 | 25.5 |

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

## Motor rating data:

| | | |
|---|---|---|
| **Product function / phase disturbance recognition** | | No |

## Schaltvermögen:

| | | |
|---|---|---|
| **Breaking capacity limit short-circuit current (Icu)** | | |
| • at 240 V / rated value | kA | 85 |
| • at 415 V / rated value | kA | 55 |
| • at 690 V / rated value | kA | 2.5 |
| **Breaking capacity operating short-circuit current (Ics)** | | |
| • at 240 V / rated value | kA | 85 |
| • at 415 V / rated value | kA | 55 |
| • at 690 V / rated value | kA | 2.5 |
| **Ultimate short-circuit current making capacity (Icm)** | | |
| • at 240 V / rated value | kA | 187 |
| • at 415 V / rated value | kA | 121 |
| • at 690 V / rated value | kA | 3.75 |

## 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 | 12 |
| **Adjustable response current** | | |
| • of the short-time delayed short-circuit release | A | 1.5 … 10 |
| **Settable delay / of the S-trip** | | |
| • with I2t characteristic | s | 0.02 … 0.4 |
| **Settable current response value / of I-trip / end value** | A | 12 |

## Connections:

| | | |
|---|---|---|
| **Design of the electrical connection** | | |
| • for main current circuit | | Frame 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 |

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| **Manufacturer article number** | | |
|---|---|---|
| • 3 of the integrated auxiliary switch /alarm switch | | |
| • of integrated auxiliary trip | | |

## Ambient conditions:

| **Ambient temperature** | | |
|---|---|---|
| • during operating | °C | -25 … +70 |
| • during storage | °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/3VA2110-5HN36-0AA0

**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**
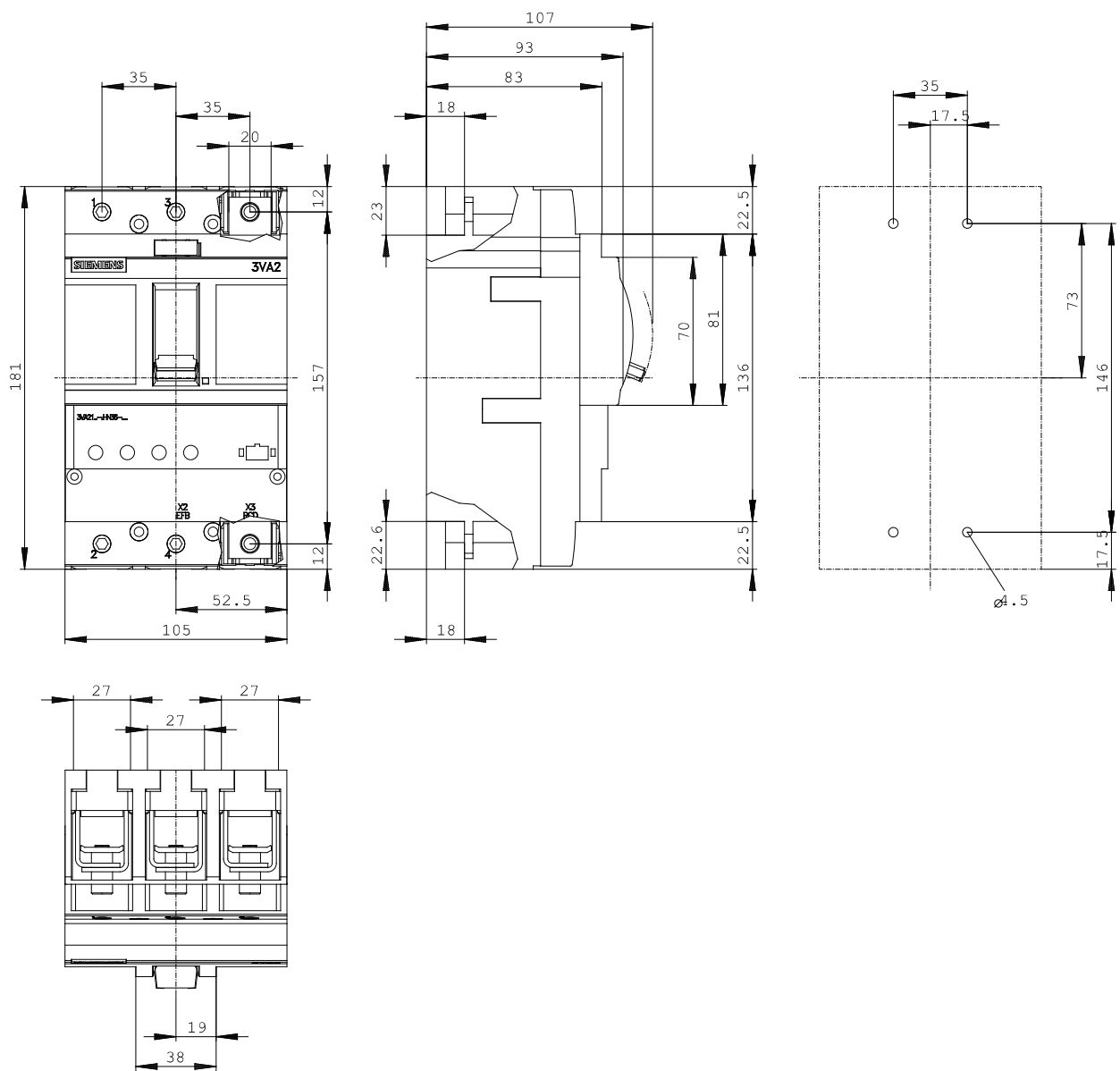http://support.automation.siemens.com/WW/view/en/3VA2110-5HN36-0AA0/all

**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2110-5HN36-0AA0

**CAx-Online-Generator**
http://www.siemens.com/cax

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3VA2...-...-...

X2 EFB    X3 ...

35
35
20
12
181
157
52.5
105
22.6
12

107
93
83
18
23
18
22.5
70
81
136
22.5

35
17.5
73
146
17.5
⌀4.5

27    27
27
19
38

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**last change:**                                        May 14, 2014