



CIRCUIT BREAKER 3VA2 IEC FRAME 160 BREAKING CAPACITY CLASS M ICU=55KA @ 415 V 3POLE, LINE PROTECTION ETU320, LI, IN=160A OVERLOAD PROTECTION IR=64A ...160A SHORT CIRCUIT PROTECTION II=10 X IN 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 | | 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 | 160 |
| 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 (I_{cu}) | | |
| • 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 (I_{cs}) | | |
| • 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 (I_{cm}) | | |
| • 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 | 0.394 ... 1 |
| • of the non-delayed short-circuit release / initial value | A | 1.5 |
| Settable current response value / of I-trip / end value | A | 10 |

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 | 105 |
| Height | mm | 181 |
| Depth | mm | 107 |
| Net weight | g | 2,280 |

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/3VA2116-5HL32-0AA0>

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

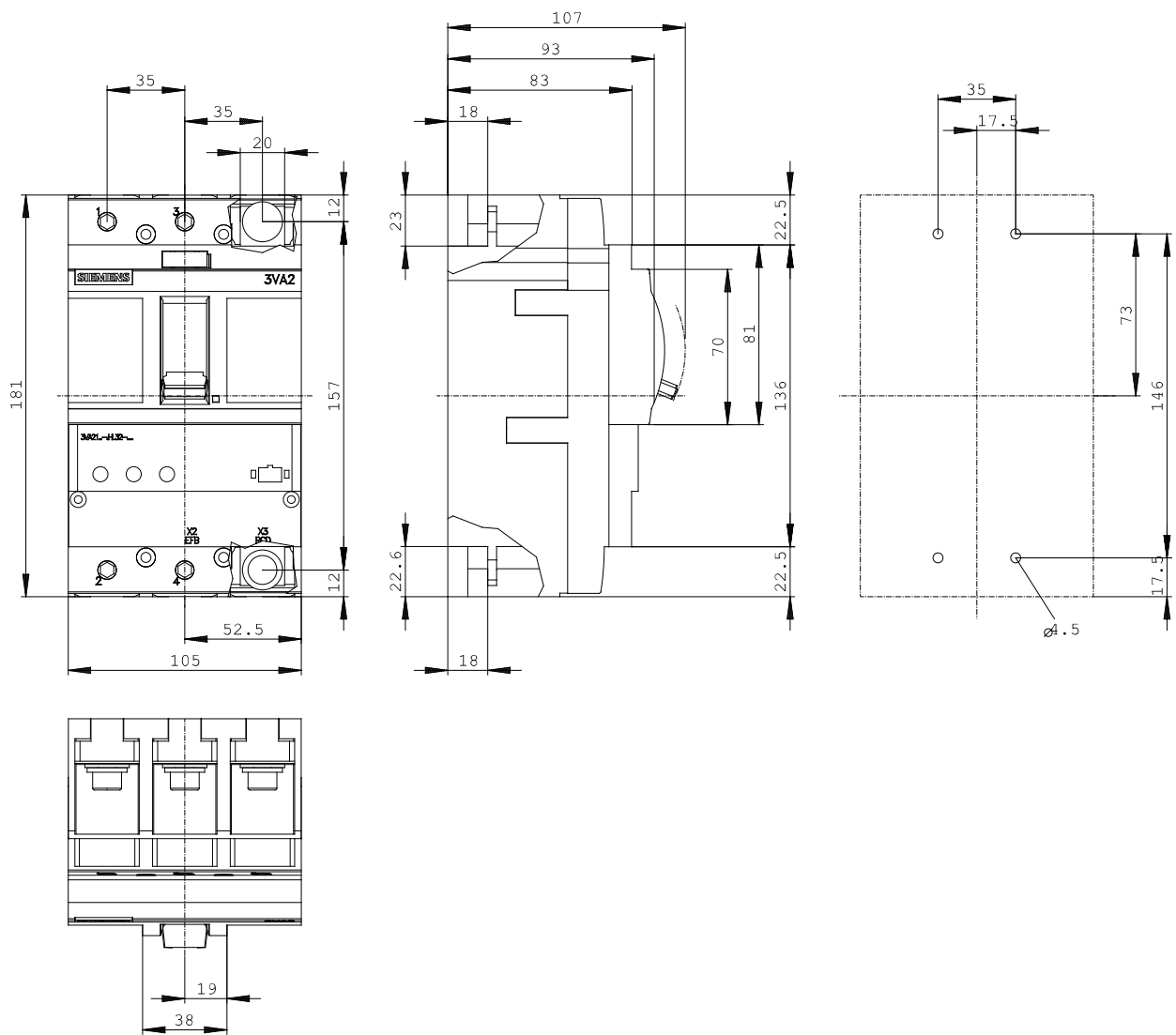
<http://support.automation.siemens.com/WW/view/en/3VA2116-5HL32-0AA0/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2116-5HL32-0AA0

CAX-Online-Generator

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



last change:

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