



CIRCUIT BREAKER 3VA2 IEC FRAME 160 BREAKING CAPACITY CLASS M ICU=55KA @ 415 V 3POLE, LINE PROTECTION ETU350, LSI, IN=63A OVERLOAD PROTECTION IR=25A ...63A 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                                    | 63                           |
| 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:

|                                                                                                                                                                                                               |                |                    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------|
| <b>Breaking capacity limit short-circuit current (Icu)</b> <ul style="list-style-type: none"> <li>• at 240 V / rated value</li> <li>• at 415 V / rated value</li> <li>• at 690 V / rated value</li> </ul>     | kA<br>kA<br>kA | 85<br>55<br>2.5    |
| <b>Breaking capacity operating short-circuit current (Ics)</b> <ul style="list-style-type: none"> <li>• at 240 V / rated value</li> <li>• at 415 V / rated value</li> <li>• at 690 V / rated value</li> </ul> | kA<br>kA<br>kA | 85<br>55<br>2.5    |
| <b>Ultimate short-circuit current making capacity (Icm)</b> <ul style="list-style-type: none"> <li>• at 240 V / rated value</li> <li>• at 415 V / rated value</li> <li>• at 690 V / rated value</li> </ul>    | kA<br>kA<br>kA | 187<br>121<br>3.75 |

#### Overcurrent Release:

|                                                                                                                                                                                                      |        |                   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------------|
| <b>Adjustable response current</b> <ul style="list-style-type: none"> <li>• of the current-dependent overload release</li> <li>• of the non-delayed short-circuit release / initial value</li> </ul> | A<br>A | 0.397 ... 1<br>12 |
| <b>Adjustable response current</b> <ul style="list-style-type: none"> <li>• of the short-time delayed short-circuit release</li> </ul>                                                               | A      | 1.5 ... 10        |
| <b>Settable delay / of the S-trip</b> <ul style="list-style-type: none"> <li>• with I2t characteristic</li> </ul>                                                                                    | 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> <ul style="list-style-type: none"> <li>• for main current circuit</li> </ul> |  | Frame terminal |
|-------------------------------------------------------------------------------------------------------------------------|--|----------------|

#### Control circuit:

|                                                                                                                                                                                                                       |  |                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------|
| <b>Number of changeover contacts</b> <ul style="list-style-type: none"> <li>• for auxiliary contacts</li> </ul>                                                                                                       |  | 0                    |
| <b>Product component</b> <ul style="list-style-type: none"> <li>• undervoltage release mechanism</li> <li>• Voltage trigger</li> <li>• undervoltage release with leading contact</li> <li>• trip indicator</li> </ul> |  | No<br>No<br>No<br>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 2,430

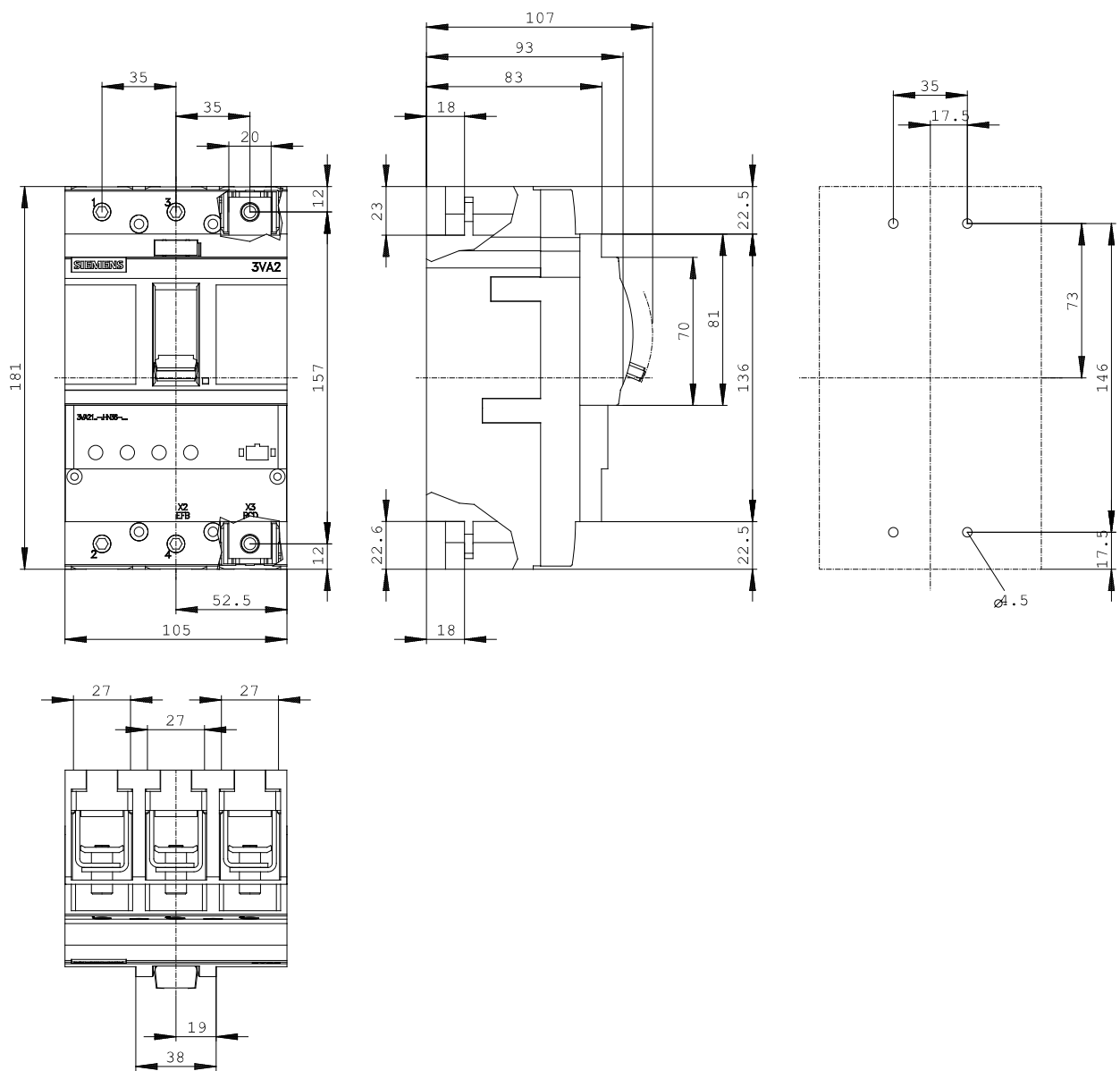
**Lebensdauer:****Mechanical operating cycles as operating time / typical**

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/3VA2163-5HN36-0AA0>**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**<http://support.automation.siemens.com/WW/view/en/3VA2163-5HN36-0AA0/all>**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3VA2163-5HN36-0AA0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2163-5HN36-0AA0)**CAX-Online-Generator**<http://www.siemens.com/cax>



**last change:**

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