



circuit breaker 3VA2 IEC frame 100 breaking capacity class C Icu=110kA @ 415V 3-pole, line protection ETU320, LI, In=25A overload protection Ir=10A...25A short-circuit protection li=1.5...12 x In clamp connection

| Model  |                             |
|--|-----------------------------|
| product brand name   | SENTRON                     |
| product designation  | Molded case circuit breaker |
| Product version  | Line protection             |
| design of the overcurrent release  | ETU320                      |
| protection function of the overcurrent release   | LI                          |
| number of poles  | 3                           |
| General technical data   |                             |
| Tension assignée d'isolement Ui  | 800 V                       |
| power loss [W] / maximum   | 0.84 W                      |
| Active power loss / for rated value of the current / at AC / in hot operating state / per pole | 0.28 W                      |
| mechanical service life (switching cycles) / typical   | 20 000                      |
| Electrical endurance (switching cycles) / at AC-1 / at 380/415 V 50/60 Hz                      | 14 000                      |
| Electrical endurance (switching cycles) / at AC-1 / at 690 V 50/60 Hz                          | 8 000                       |
| Neutral conductors / upgradeable/retrofitable  | No                          |
| ground-fault monitoring version  | Without                     |
| product function   |                             |
| • communication function   | No                          |
| • other measurement function   | No                          |
| net weight   | 2.43 kg                     |
| Current  |                             |
| operational current  |                             |
| • at 40 °C   | 25 A                        |
| • at 45 °C   | 25 A                        |
| • at 50 °C   | 25 A                        |
| • at 55 °C   | 25 A                        |
| • at 60 °C   | 25 A                        |
| • at 65 °C   | 25 A                        |
| • at 70 °C   | 25 A                        |
| Switching capacity according to IEC 60947  |                             |
| switching capacity class of the circuit breaker  | C                           |
| breaking capacity maximum short-circuit current (Icu)  |                             |
| • at 240 V   | 150 kA                      |
| • at 415 V   | 110 kA                      |
| • at 440 V   | 110 kA                      |

|  |  |
|--|--|
| <ul style="list-style-type: none"> <li>• at 500 V</li> <li>• at 690 V</li> </ul>   | 85 kA<br>2 kA                                |
| breaking capacity operating short-circuit current (Ics) <ul style="list-style-type: none"> <li>• at 240 V</li> <li>• at 415 V</li> <li>• at 440 V</li> <li>• at 500 V</li> <li>• at 690 V</li> </ul> | 150 kA<br>110 kA<br>110 kA<br>85 kA<br>2 kA  |
| short-circuit current making capacity (Icm) <ul style="list-style-type: none"> <li>• at 240 V</li> <li>• at 415 V</li> <li>• at 440 V</li> <li>• at 500 V</li> <li>• at 690 V</li> </ul>             | 330 kA<br>242 kA<br>242 kA<br>187 kA<br>3 kA |

#### Adjustable parameters

|   |       |
|---|-------|
| Adjustable response value current / I <sub>g</sub> min.                 | 10 A  |
| Adjustable response value current / I <sub>g</sub> min.                 | 25 A  |
| Adjustable response value current / I <sub>g</sub> min.                 | 0.5   |
| Adjustable response value current / I <sub>g</sub> min.                 | 17    |
| Adjustable response value current / I <sub>i</sub> min.                 | 38 A  |
| Adjustable response value current / I <sub>i</sub> max.                 | 300 A |
| Ground fault protection / tripping switchable / I <sub>2t</sub> =ON/OFF | No    |

#### Mechanical Design

|             |        |
|-------------|--------|
| height [in] | 7.1 in |
| Height      | 181 mm |
| width [in]  | 4.1 in |
| Width       | 105 mm |
| depth [in]  | 3.4 in |
| depth       | 86 mm  |

#### Connections

|   |                              |
|---|------------------------------|
| arrangement of electrical connectors / for main current circuit                 | Front terminal               |
| type of electrical connection / for main current circuit                        | double-sided box terminal    |
| Type of connectable conductor cross-section, round conductor terminal, stranded | 1 x (6-120 mm <sup>2</sup> ) |

#### Auxiliary circuit

|  |   |
|--|---|
| number of CO contacts / for auxiliary contacts | 0 |
|--|---|

#### Accessories

|  |     |
|--|-----|
| product extension / optional / motor drive | Yes |
|--|-----|

#### Environmental conditions

|  |                                    |
|--|------------------------------------|
| protection class IP / on the front   | IP40                               |
| ambient temperature  |                                    |
| <ul style="list-style-type: none"> <li>• during operation / minimum</li> <li>• during operation / maximum</li> <li>• during storage / minimum</li> <li>• during storage / maximum</li> </ul> | -25 °C<br>70 °C<br>-40 °C<br>80 °C |

#### Certificates

|                                      |   |
|--------------------------------------|---|
| reference code / acc. to IEC 81346-2 | Q |
|--------------------------------------|---|

#### General Product Approval

EMC



[Miscellaneous](#)



|                           |                   |                   |
|---------------------------|-------------------|-------------------|
| Declaration of Conformity | Test Certificates | Shipping Approval |
|---------------------------|-------------------|-------------------|



EG-Konf.

[Type Test  
Certificates/Test  
Report](#)

[Miscellaneous](#)

[Special Test  
Certificate](#)



ABS



BUREAU  
VERITAS

Shipping Approval

other



LRS



RMRS

[CCS / China  
Classification  
Society](#)

[Manufacturer  
Declaration](#)

[Miscellaneous](#)

#### Further information

**Information- and Downloadcenter (Catalogs, Brochures,...)**

<http://www.siemens.com/lowvoltage/catalogs>

**Industry Mall (Online ordering system)**

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mfb=3VA2025-7HL36-0AA0>

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

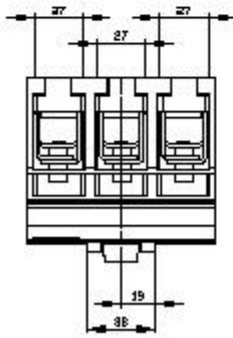
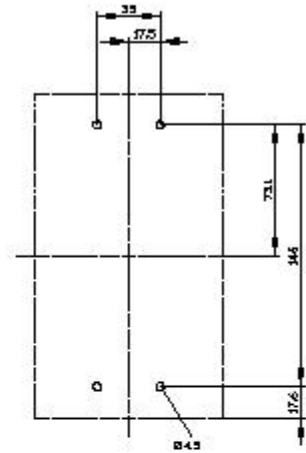
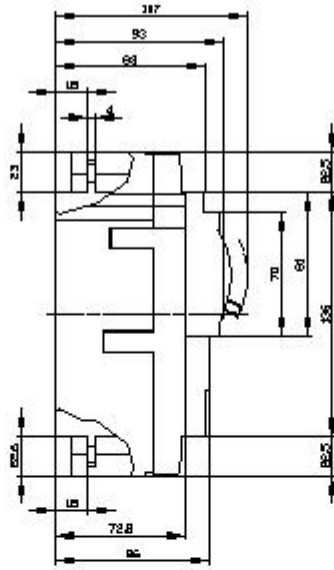
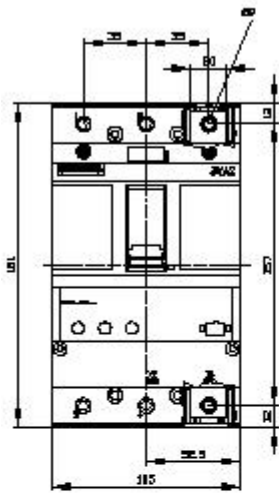
<https://support.industry.siemens.com/cs/ww/en/ps/3VA2025-7HL36-0AA0>

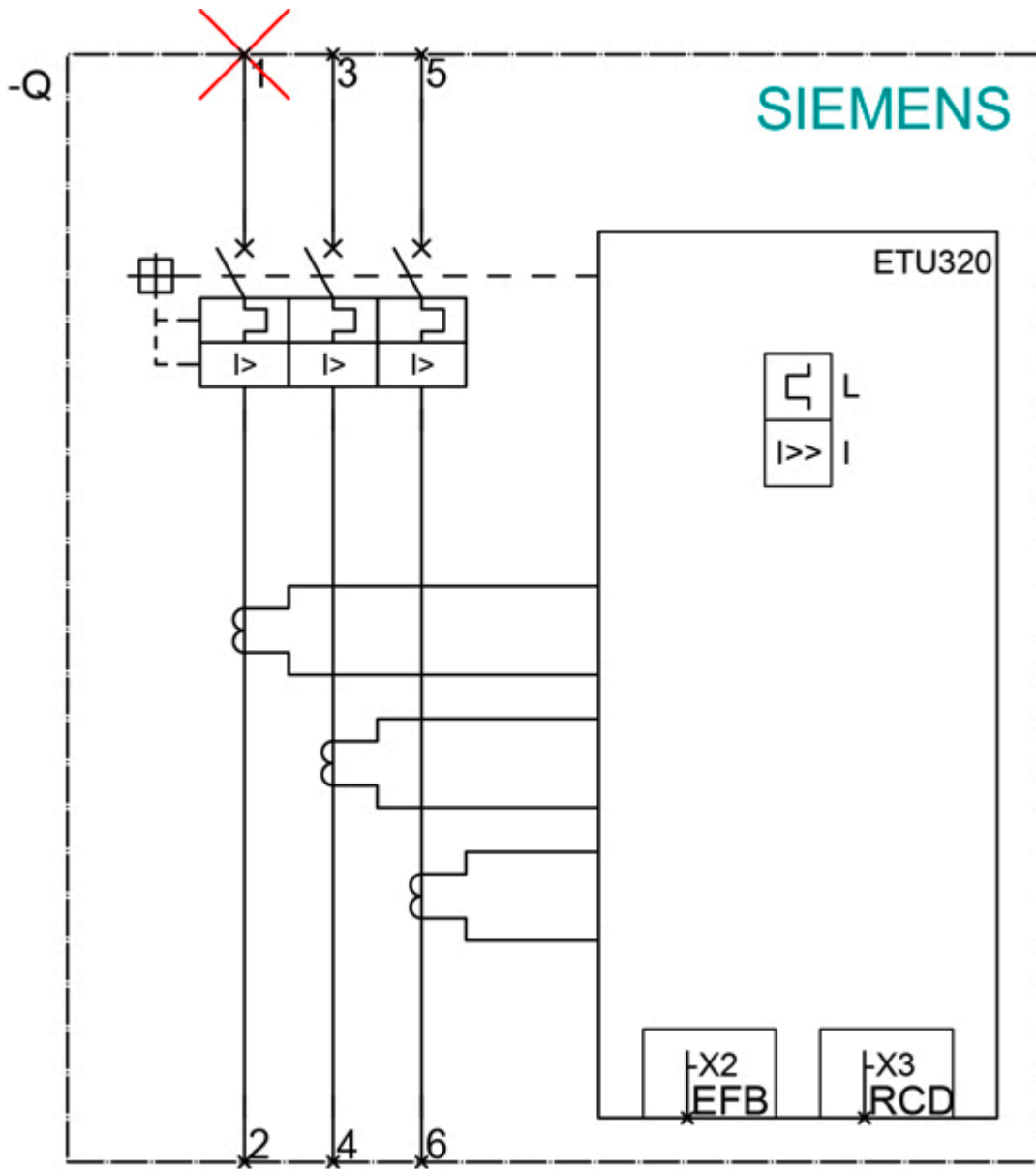
**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mfb=3VA2025-7HL36-0AA0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mfb=3VA2025-7HL36-0AA0)

**Tender specifications**

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





last modified:

12/18/2020