

circuit breaker 3VA2 IEC frame 160 breaking capacity class C  
Icu=110kA @ 415V 3-pole, line protection ETU350, LSI, In=25A  
overload protection Ir=10A...25A short-circuit protection Isd=1.5...10  
x Ir, li=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              | ETU350                      |
| protection function of the overcurrent release | LSI                         |
| number of poles                                | 3                           |

| General technical data                                                                         |         |
|------------------------------------------------------------------------------------------------|---------|
| Tension assignée d'isolement Ui                                                                | 800 V   |
| Max. rated operational voltage Ue with AC 50/60Hz                                              | 690 V   |
| power loss [W] / maximum                                                                       | 0.6 W   |
| Active power loss / for rated value of the current / at AC / in hot operating state / per pole | 0.2 W   |
| mechanical service life (switching cycles) / typical                                           | 20 000  |
| Electrical endurance (switching cycles) / at AC-1 / at 380/415 V 50/60 Hz                      | 12 000  |
| 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                                                                                     | 2.29 kg |

| Current                                          |       |
|--------------------------------------------------|-------|
| Max. rated operational current of the frame size | 160 A |
| Courant permanent assigné lu                     | 25 A  |
| operating 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      |
| maximum short-circuit current breaking capacity (Icu)     |        |
| • at 240 V                                                | 150 kA |
| • at 415 V                                                | 110 kA |
| • at 440 V                                                | 110 kA |
| • at 500 V                                                | 85 kA  |
| • at 690 V                                                | 2.5 kA |
| operational short-circuit current breaking capacity (Ics) |        |
| • at 240 V                                                | 150 kA |
| • at 415 V                                                | 110 kA |
| • at 440 V                                                | 110 kA |
| • at 500 V                                                | 85 kA  |
| • at 690 V                                                | 2.5 kA |
| short-circuit current making capacity (Icm)               |        |
| • at 240 V                                                | 330 kA |
| • at 415 V                                                | 242 kA |
| • at 440 V                                                | 242 kA |
| • at 500 V                                                | 187 kA |
| • at 690 V                                                | 3.8 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>g</sub> min.                 | 38 A   |
| Adjustable response value current / I <sub>g</sub> min.                 | 250 A  |
| Short-term delayed / tripping switchable / I <sub>2t</sub> =ON/OFF      | No     |
| Adjustable response value current / I <sub>g</sub> min.                 | 0.02 s |
| Adjustable response value current / I <sub>g</sub> min.                 | 0.4 s  |
| Adjustable response value current / I <sub>i</sub> min.                 | 300 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 mm²)           |

#### 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                |        |
| • during operation / minimum       | -25 °C |
| • during operation / maximum       | 70 °C  |
| • during storage / minimum         | -40 °C |
| • during storage / maximum         | 80 °C  |

#### Certificates

|                                         |   |
|-----------------------------------------|---|
| reference code / acc. to DIN EN 81346-2 | Q |
|-----------------------------------------|---|

#### General Product Approval

#### EMC



CCC



VDE

**CB**

CB

[Miscellaneous](#)

**EAC**



RCM

#### 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?mlfb=3VA2125-7HN36-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA2125-7HN36-0AA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3VA2125-7HN36-0AA0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2125-7HN36-0AA0)

### **CAX-Online-Generator**

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

### **Tender specifications**

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

**last modified:**

10/30/2020