

switch disconnecter 3VT1 3-pole; switch disconnecter In=160A rated current without auxiliary release without auxiliary/alarm switch



| Model                                                |                |
|------------------------------------------------------|----------------|
| Product brand name                                   | SETRON         |
| Design of the operating mechanism                    | toggle handle  |
| Type of the driving mechanism / motor drive          | No             |
| General technical data                               |                |
| Type of device                                       | fixed mounting |
| Size of the circuit-breaker                          | 3VT1           |
| Mechanical service life (switching cycles) / typical | 20 000         |
| Degree of pollution                                  | 3              |
| Insulation voltage / rated value                     | 690 V          |
| Surge voltage resistance / rated value               | 8 kV           |
| Operating current / at AC / rated value              | 160 A          |
| Operating voltage                                    |                |
| • at AC / at 50/60 Hz / rated value                  | 690 V          |
| • at DC / rated value                                | 250 V          |
| Protection class IP                                  | IP40           |
| Protection class IP / on the front                   | IP40           |
| Power loss [W]                                       |                |

|                                                                                                                                                                                                                  |                               |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| <ul style="list-style-type: none"> <li>• for rated value of the current / at AC / in hot operating state / per pole</li> </ul>                                                                                   | 15 W                          |
| Continuous current / rated value                                                                                                                                                                                 | 160 A                         |
| Operating current / at DC / rated value                                                                                                                                                                          | 160 A                         |
| Short-time withstand current (I <sub>cw</sub> ) / limited to 1 s / rated value                                                                                                                                   | 2 kA                          |
| Operating current / rated value                                                                                                                                                                                  | 160 A                         |
| Number of CO contacts / for auxiliary contacts                                                                                                                                                                   | 0                             |
| Number of NC contacts / for auxiliary contacts                                                                                                                                                                   | 0                             |
| Number of NO contacts / for auxiliary contacts                                                                                                                                                                   | 0                             |
| Suitability for integration / Distribution board                                                                                                                                                                 | Yes                           |
| Suitability for use <ul style="list-style-type: none"> <li>• Main switch</li> <li>• switch disconnecter</li> <li>• EMERGENCY OFF switch</li> <li>• safety switch</li> <li>• maintenance/repair switch</li> </ul> | Yes<br>Yes<br>No<br>No<br>Yes |
| Color / of the actuating element                                                                                                                                                                                 | black                         |
| Product feature / interlock                                                                                                                                                                                      | No                            |
| Product component <ul style="list-style-type: none"> <li>• Trip indicator</li> <li>• Voltage trigger</li> <li>• undervoltage release</li> <li>• undervoltage release with leading contact</li> </ul>             | No<br>No<br>No<br>No          |
| Product extension / Auxiliary switch                                                                                                                                                                             | No                            |
| Product extension / optional <ul style="list-style-type: none"> <li>• motor drive</li> <li>• Voltage trigger</li> </ul>                                                                                          | Yes<br>Yes                    |

#### Short circuit

|                                                                                                                                                                                  |              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| Short-circuit current making capacity (I <sub>cm</sub> ) / for switch disconnecter <ul style="list-style-type: none"> <li>• without fuse link / rated value / minimum</li> </ul> | 2.83 kA      |
| Arrangement of electrical connectors / for main current circuit                                                                                                                  | front side   |
| Type of electrical connection / for main current circuit                                                                                                                         | box terminal |

#### Mechanical Design

|                                                                                                    |                                                                                                                         |
|----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Depth                                                                                              | 80 mm                                                                                                                   |
| Mounting type                                                                                      | fixed mounting                                                                                                          |
| Mounting position                                                                                  | with vertical mounting surface +/-180° rotatable, with vertical mounting surface +/- 30° tiltable to the front and back |
| Ambient temperature / during operation <ul style="list-style-type: none"> <li>• minimum</li> </ul> | -40 °C                                                                                                                  |

|                                                                                   |                                                                                   |                                                    |                               |                                          |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------|-------------------------------|------------------------------------------|
| • maximum                                                                         |                                                                                   | 55 °C                                              |                               |                                          |
| Ambient temperature / during storage / minimum                                    |                                                                                   | -40 °C                                             |                               |                                          |
| Reference code                                                                    |                                                                                   |                                                    |                               |                                          |
| • acc. to DIN EN 61346-2                                                          |                                                                                   | Q                                                  |                               |                                          |
| • acc. to DIN EN 81346-2                                                          |                                                                                   | Q                                                  |                               |                                          |
| <b>General Product Approval</b>                                                   | <b>Declaration of Conformity</b>                                                  | <b>Test Certificates</b>                           | <b>other</b>                  |                                          |
|  |  | <a href="#">Type Test Certificates/Test Report</a> | <a href="#">Miscellaneous</a> | <a href="#">Manufacturer Declaration</a> |
| CCC                                                                               | EG-Konf.                                                                          |                                                    |                               |                                          |

#### 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=3VT1716-2DE36-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VT1716-2DE36-0AA0>

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

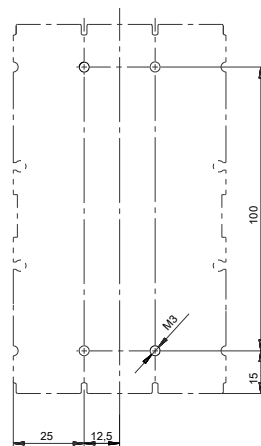
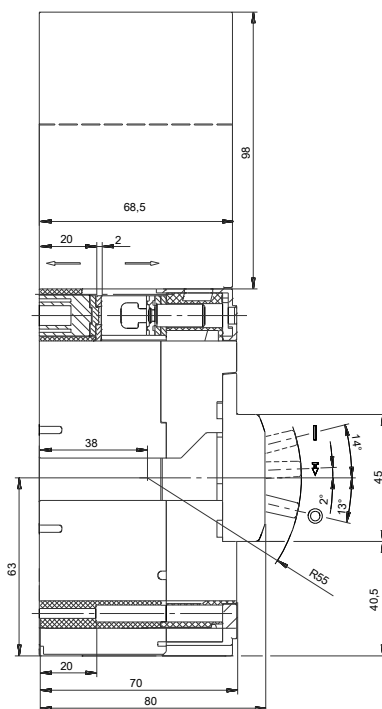
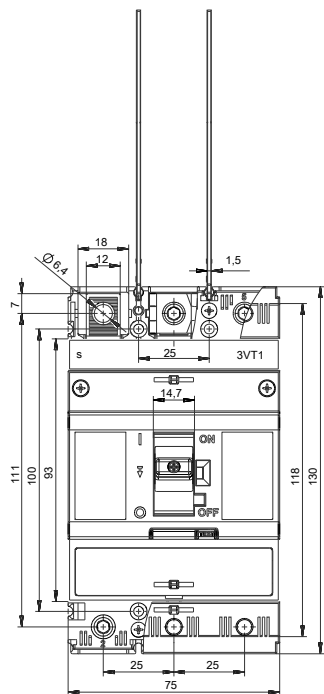
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3VT1716-2DE36-0AA0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VT1716-2DE36-0AA0)

##### CAX-Online-Generator

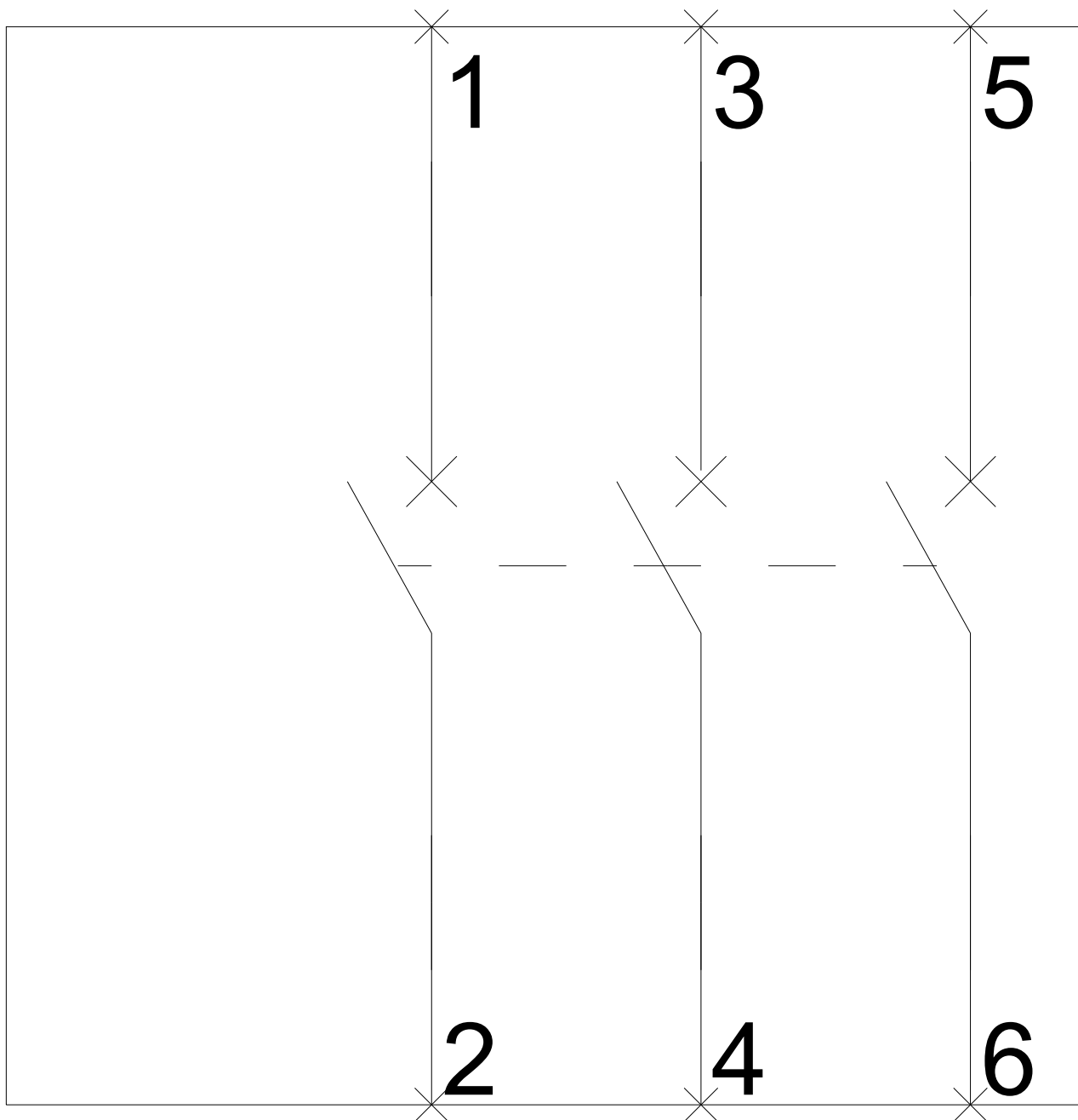
<http://www.siemens.com/cax>

##### Tender specifications

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



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