

THERMISTOR MOTOR PROTECTION STANDARD  
EVALUATION UNIT,  
MANUAL/AUTO/REMOTE, 2 CC, AC110V,  
SPRING-LOADED TERMINAL,  
SHORT-CIRCUIT DETECT.,  
NON-RESETTING ON VOLT.FAIL.,

### General technical details:

|                                                                                                    |    |             |
|----------------------------------------------------------------------------------------------------|----|-------------|
| <b>type of voltage</b>                                                                             |    | AC          |
| <b>Supply voltage frequency</b>                                                                    |    |             |
| • 1 / for auxiliary and control current circuit                                                    |    |             |
| • rated value                                                                                      | Hz | 50          |
| • 2 / for auxiliary and control current circuit                                                    |    |             |
| • rated value                                                                                      | Hz | 60          |
| <b>Control supply voltage</b>                                                                      |    |             |
| • 1                                                                                                |    |             |
| • at 50 Hz / for AC                                                                                |    |             |
| • rated value                                                                                      | V  | 110         |
| • at 60 Hz / for AC                                                                                |    |             |
| • rated value                                                                                      | V  | 110         |
| <b>Number of measuring circuits</b>                                                                |    | 1           |
| <b>Number of NC contacts / for auxiliary contacts</b>                                              |    | 0           |
| <b>Number of NO contacts / for auxiliary contacts</b>                                              |    | 0           |
| <b>Number of change-over switches / for auxiliary contacts</b>                                     |    | 2           |
| <b>Measurable temperature</b>                                                                      |    |             |
| • initial value                                                                                    | °C | 60          |
| • final value                                                                                      | °C | 180         |
| <b>Product function</b>                                                                            |    |             |
| • reclosing interlock                                                                              |    | Yes         |
| • self-reset                                                                                       |    | Yes         |
| • defect storage                                                                                   |    | Yes         |
| • reset external                                                                                   |    | Yes         |
| <b>Item designation / according to DIN EN 61346-2</b>                                              |    | K           |
| <b>Item designation / according to DIN 40719 extendable after IEC 204-2 / according to IEC 750</b> |    | K           |
| <b>Ambient temperature / during operating</b>                                                      | °C | -25 ... +60 |

### Mechanical design:

|                                                                                 |    |                         |
|---------------------------------------------------------------------------------|----|-------------------------|
| Design of the electrical connection / for auxiliary and control current circuit |    | spring-loaded terminals |
| Design of the electrical connection / jumper socket                             |    | No                      |
| Type of display / LED                                                           |    | Yes                     |
| Protection class IP                                                             |    | IP20                    |
| Width                                                                           | mm | 22.5                    |
| Height                                                                          | mm | 103                     |
| Depth                                                                           | mm | 91                      |

### Certificates/approvals:

#### General Product Approval

#### EMC

#### For use in hazardous locations



CCC



CSA



GOST



UL



C-TICK



ATEX

#### Test Certificates

#### Shipping Approval

[Special Test Certificate](#)



DNV



GL



LRS



PRS



RMRS

#### other

[Declaration of Conformity](#)

[other](#)

[Environmental Confirmations](#)

### Further information:

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

<http://www.siemens.com/industrial-controls/catalogs>

#### Industry Mall (Online ordering system)

<http://www.siemens.com/industrial-controls/mall>

#### CAX-Online-Generator

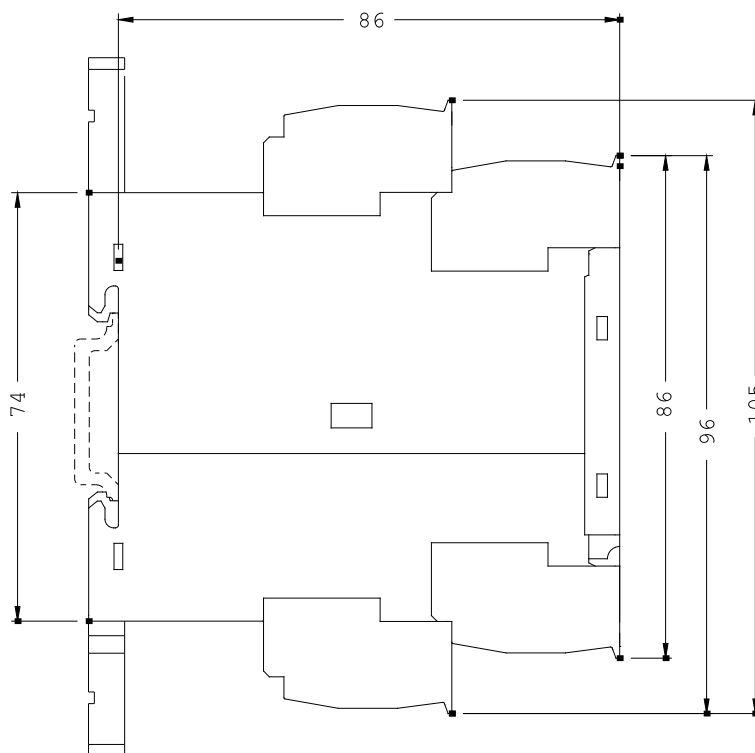
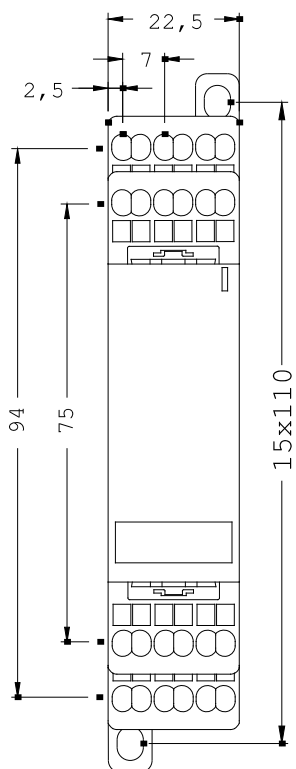
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RN1012-2BG00/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3RN1012-2BG00](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RN1012-2BG00)



last change:

Jan 21, 2013