

THERMISTOR MOTOR PROTECTION FOR 2 SENSOR CIRCUITS,  
ALARM AND SWITCH-OFF, 1NO+1CO,  
UC 24...240V, SPRING-LOADED TERMINAL

### General technical details:

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                    |                                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|---------------------------------------------|
| <b>type of voltage</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                    | AC/DC                                       |
| <b>Supply voltage frequency</b>                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                    |                                             |
| <ul style="list-style-type: none"> <li>1 / for auxiliary and control current circuit <ul style="list-style-type: none"> <li>rated value</li> </ul> </li> </ul>                                                                                                                                                                                                                                                                                                            | Hz                                 | 50                                          |
| <ul style="list-style-type: none"> <li>2 / for auxiliary and control current circuit <ul style="list-style-type: none"> <li>rated value</li> </ul> </li> </ul>                                                                                                                                                                                                                                                                                                            | Hz                                 | 60                                          |
| <b>Control supply voltage</b>                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                    |                                             |
| <ul style="list-style-type: none"> <li>1 <ul style="list-style-type: none"> <li>at 50 Hz / for AC <ul style="list-style-type: none"> <li>initial rated value</li> <li>final rated value</li> </ul> </li> <li>at 60 Hz / for AC <ul style="list-style-type: none"> <li>initial rated value</li> <li>final rated value</li> </ul> </li> <li>for DC <ul style="list-style-type: none"> <li>initial rated value</li> <li>final rated value</li> </ul> </li> </ul> </li> </ul> | V<br>V<br><br>V<br>V<br><br>V<br>V | 24<br>240<br><br>24<br>240<br><br>24<br>240 |
| <b>Number of measuring circuits</b>                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                    | 2                                           |
| <b>Number of NC contacts / for auxiliary contacts</b>                                                                                                                                                                                                                                                                                                                                                                                                                     |                                    | 0                                           |
| <b>Number of NO contacts / for auxiliary contacts</b>                                                                                                                                                                                                                                                                                                                                                                                                                     |                                    | 1                                           |
| <b>Number of change-over switches / for auxiliary contacts</b>                                                                                                                                                                                                                                                                                                                                                                                                            |                                    | 1                                           |
| <b>Measurable temperature</b>                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                    |                                             |
| <ul style="list-style-type: none"> <li>initial value</li> <li>final value</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                      | °C<br>°C                           | 60<br>180                                   |
| <b>Product function</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                    |                                             |
| <ul style="list-style-type: none"> <li>reclosing interlock</li> <li>self-reset</li> <li>defect storage</li> <li>reset external</li> </ul>                                                                                                                                                                                                                                                                                                                                 |                                    | Yes<br>Yes<br>Yes<br>Yes                    |
| <b>Item designation / according to DIN EN 61346-2</b>                                                                                                                                                                                                                                                                                                                                                                                                                     |                                    | K                                           |

|                                                                                             |    |             |
|---------------------------------------------------------------------------------------------|----|-------------|
| Item designation / according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 |    | K           |
| Ambient temperature / during operating                                                      | °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                                                                   |                                                                                     |                                                                                       |                                                                                       |
| <a href="#">Special Test Certificate</a>                                          |  |  |  |  |  |
|                                                                                   | DNV                                                                                 | GL                                                                                  | LRS                                                                                 | PRS                                                                                   | RMRS                                                                                  |
| other                                                                             |                                                                                     |                                                                                     |                                                                                     |                                                                                       |                                                                                       |
| <a href="#">Declaration of Conformity</a>                                         | <a href="#">other</a>                                                               | <a href="#">Environmental Confirmations</a>                                         |                                                                                     |                                                                                       |                                                                                       |

#### 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

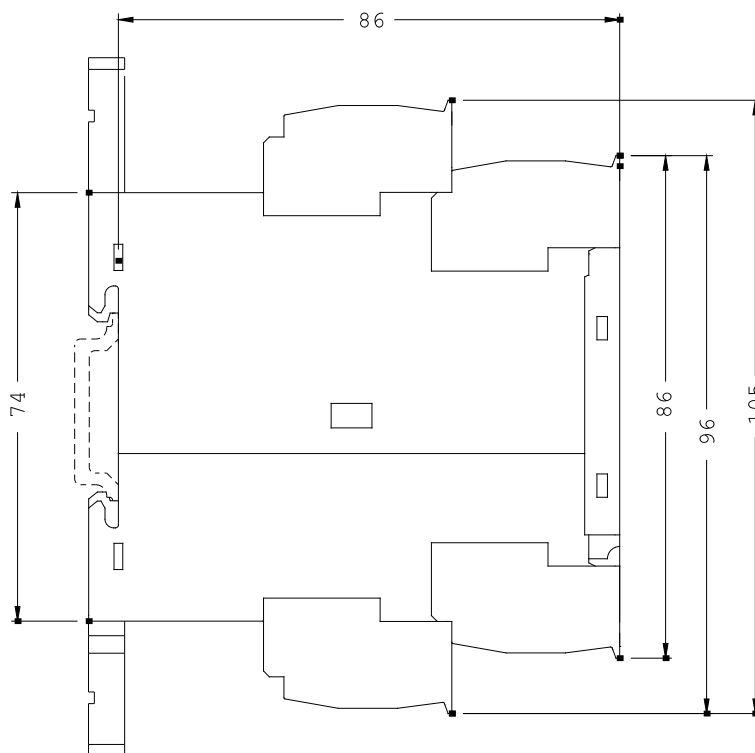
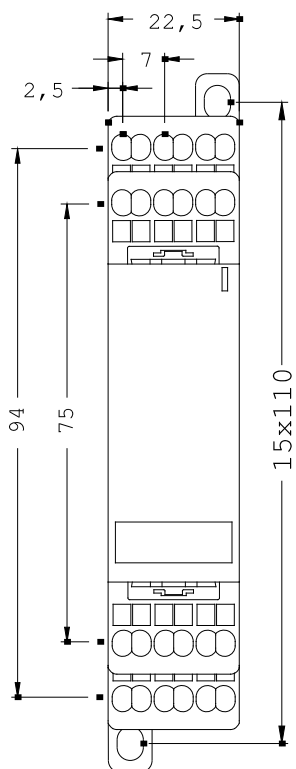
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RN1022-2DW00/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3RN1022-2DW00](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RN1022-2DW00)



last change:

Jan 21, 2013