



Figure similar

temperature monitoring relay Pt100, overshoot 1 threshold value, width 22.5 mm 0 °C to 200 °C 110-120/220-240 V AC 1 NO + 1 NC, quiescent current principle screw terminal !!!phased-out product!!! the preferred successor is 3RS2500-1AW30

|                                                                 |                                                                                                                          |
|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| product brand name                                              | SIRIUS                                                                                                                   |
| product designation                                             | Temperature monitoring relay                                                                                             |
| design of the product                                           | Overshoot, 1 threshold value                                                                                             |
| product type designation                                        | 3RS10                                                                                                                    |
| General technical data                                          |                                                                                                                          |
| power loss [W] maximum                                          | 2 W                                                                                                                      |
| power loss [V·A] maximum                                        | 4 VA                                                                                                                     |
| reference code according to IEC 81346-2                         | K                                                                                                                        |
| measurable temperature                                          |                                                                                                                          |
| • initial value                                                 | 0 °C                                                                                                                     |
| • full-scale value                                              | 200 °C                                                                                                                   |
| Substance Prohibitance (Date)                                   | 05/01/2012                                                                                                               |
| SVHC substance name                                             | Lead - 7439-92-1<br>Lead monoxide (lead oxide) - 1317-36-8<br>2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol - 79-94-7 |
| product function                                                |                                                                                                                          |
| • error memory                                                  | No                                                                                                                       |
| • external reset                                                | No                                                                                                                       |
| design of the sensor connectable                                | PT100 (resistance sensor)                                                                                                |
| Control circuit/ Control                                        |                                                                                                                          |
| type of voltage                                                 | AC                                                                                                                       |
| control supply voltage 1 at AC                                  |                                                                                                                          |
| • at 50 Hz rated value                                          | 110 V                                                                                                                    |
| • at 60 Hz rated value                                          | 110 V                                                                                                                    |
| control supply voltage 2 at AC                                  |                                                                                                                          |
| • at 50 Hz rated value                                          | 230 V                                                                                                                    |
| • at 60 Hz rated value                                          | 230 V                                                                                                                    |
| supply voltage frequency for auxiliary and control circuit      | 50 ... 60 Hz                                                                                                             |
| number of measuring circuits                                    | 1                                                                                                                        |
| Auxiliary circuit                                               |                                                                                                                          |
| number of NC contacts for auxiliary contacts                    | 1                                                                                                                        |
| number of NO contacts for auxiliary contacts                    | 1                                                                                                                        |
| number of CO contacts for auxiliary contacts                    | 0                                                                                                                        |
| Connections/ Terminals                                          |                                                                                                                          |
| type of electrical connection for auxiliary and control circuit | screw-type terminals                                                                                                     |
| type of electrical connection plug-in socket                    | Yes                                                                                                                      |
| Installation/ mounting/ dimensions                              |                                                                                                                          |
| fastening method                                                | screw and snap-on mounting onto 35 mm DIN rail                                                                           |
| height                                                          | 83 mm                                                                                                                    |
| width                                                           | 22.5 mm                                                                                                                  |

|                                      |                |
|--------------------------------------|----------------|
| depth                                | 91 mm          |
| Ambient conditions                   |                |
| ambient temperature during operation | -25 ... +60 °C |
| Approvals Certificates               |                |
| General Product Approval             |                |



Confirmation



| EMV                | Test Certificates                                  | other                        | Environment                                 |
|--------------------|----------------------------------------------------|------------------------------|---------------------------------------------|
| <a href="#">KC</a> | <a href="#">Type Test Certificates/Test Report</a> | <a href="#">Confirmation</a> | <a href="#">Environmental Confirmations</a> |

Further information

Information on the packaging  
<https://support.industry.siemens.com/cs/ww/en/view/109813875>  
 Information- and Downloadcenter (Catalogs, Brochures,...)  
<https://www.siemens.com/ic10>  
 Industry Mall (Online ordering system)  
<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RS1000-1CK20>  
 Cax online generator  
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RS1000-1CK20>  
 Service&Support (Manuals, Certificates, Characteristics, FAQs,...)  
<https://support.industry.siemens.com/cs/ww/en/ps/3RS1000-1CK20>  
 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)  
[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RS1000-1CK20&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RS1000-1CK20&lang=en)  
 Characteristic: Derating  
<https://support.industry.siemens.com/cs/ww/en/ps/3RS1000-1CK20/manual>



