

**INDUSTRIAL COMPONENT DATA**

# 3RS1441-1HB50 SIEMENS Temperature monitoring relay for IO-Link PT100/1000, KTY83/84, NTC 1 to 3 sensors, 2 l..

Brand: SIEMENS | Manufacturer Part Number: 3RS1441-1HB50



|                 |                              |
|-----------------|------------------------------|
| Manufacturer    | SIEMENS                      |
| MPN / Reference | 3RS1441-1HB50                |
| Catalog number  | 14411                        |
| Category        | Temperature monitoring relay |
| Minimum order   | 1 Pcs                        |
| Document ID     | EO-CDEE1CF4D2                |
| Generated       | 2026-08-06                   |

## Product Overview

temperature monitoring relay for IO-Link Pt100/1000 KTY83/84, NTC 1 to 3 sensors, 2 limit values -50 °C to 750 °C 3 x 1 CO, width 45 mm screw terminal !!!phased-out product!!! the preferred successor is 3RS2800-1BA40+3RS2900-1AA30

**STRUCTURED PRODUCT DATA**

## Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

## Classification & Catalog Path

|              |                                                    |
|--------------|----------------------------------------------------|
| Catalog path | SIEMENS > CONTROL AND CONTACTORS > Function relays |
|--------------|----------------------------------------------------|

## Additional Product Information

**Technical data**

temperature monitoring relay for IO-Link Pt100/1000 KTY83/84, NTC 1 to 3 sensors, 2 limit values -50 °C to 750 °C 3 x 1 CO, width 45 mm screw terminal !!!phased-out product!!! the preferred successor is 3RS2800-1BA40+3RS2900-1AA30

product brand name SIRIUS

product designation Temperature monitoring relay

design of the product 2 threshold values, digitally adjustable

product type designation 3RS14

**General technical data**

power loss [W] maximum 4 W

power loss [V•A] maximum 7 VA

reference code according to IEC 81346-2 K

measurable temperature

? initial value -50 °C

? full-scale value 750 °C

Substance Prohibitance (Date) 05/01/2012

product function

? error memory Yes

? external reset Yes

design of the sensor connectable PT100/1000, KTY83/84, NTC (resistance sensors)

measurable temperature with KTY-sensor maximum 200 °C

sensor current with KTY-sensor 0.3 mA

Control circuit/ Control

type of voltage DC

control supply voltage 1

? at DC rated value 24 V

? at DC 18 ... 30 V

number of measuring circuits 3

Communication/ Protocol

protocol is supported IO-Link protocol Yes

IO-Link transfer rate COM2 (38,4 kBaud)

point-to-point cycle time between master and IO-Link device minimum 10 ms

type of voltage supply via input/output link master Yes

data volume

? of the address range of the inputs with cyclical transfer total 4 byte

? of the address range of the outputs with cyclical transfer total 2 byte

Auxiliary circuit

number of NC contacts for auxiliary contacts 0

number of NO c...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send SIEMENS / 3RS1441-1HB50 with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://electricaonline.com/request-quote).

### GLOBAL OFFICES

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