



TEMPERATURE MONITORING RELAY FOR IO-LINK
PT100/1000,
KTY83/84, NTC 1 TO 3 SENSORS,
2 LIMIT VALUES -50 DEGR. C TO 750 DEGR. C 3X1W,
WIDTH 45 MM SCREW TERMINAL

General technical details:

Type of voltage		DC
Supply voltage frequency		
• 1 / for DC / rated value	V	24
• 1 / for DC / initial rated value	V	18
• 1 / for DC / final rated value	V	30
Number of measuring circuits		3
Product function		
• defect storage		Yes
• reset external		Yes
Measurable temperature		
• initial value	°C	-50
• final value	°C	750
Reference code / according to DIN EN 61346-2		K
Reference code / according to DIN 40719 extended according to IEC 204-2 / according to IEC 750		K
Ambient temperature		
• during operating	°C	-25 ... +60

Communication:

Type of voltage supply / via input/ output link master		Yes
--	--	-----

IO-Link transfer rate		COM2 (38,4 kBaud)
Protocol / is supported / IO-Link protocol		Yes
Data volume		
• of the address range of the outputs / with cyclical transfer / total	byte	2
• of the address range of the inputs / with cyclical transfer / total	byte	4
Point-to-point cycle time / between master and IO-Link device / minimum	ms	10

Mechanical design:

Design of the electrical connection		
• for auxiliary and control current circuit		screw-type terminals
Design of the sensor / connectable		PT100/1000, KTY83/84, NTC (resistance sensors)
Number of NC contacts / for auxiliary contacts		0
Number of NO contacts / for auxiliary contacts		0
Number of changeover contacts / for auxiliary contacts		3
Width	mm	45
Height	mm	106
Depth	mm	91

Certificates/approvals:

**General Product
Approval**

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:

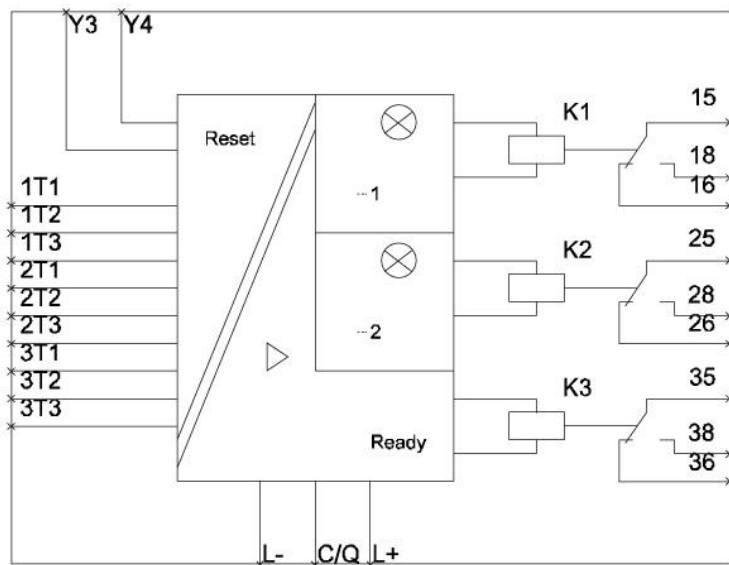
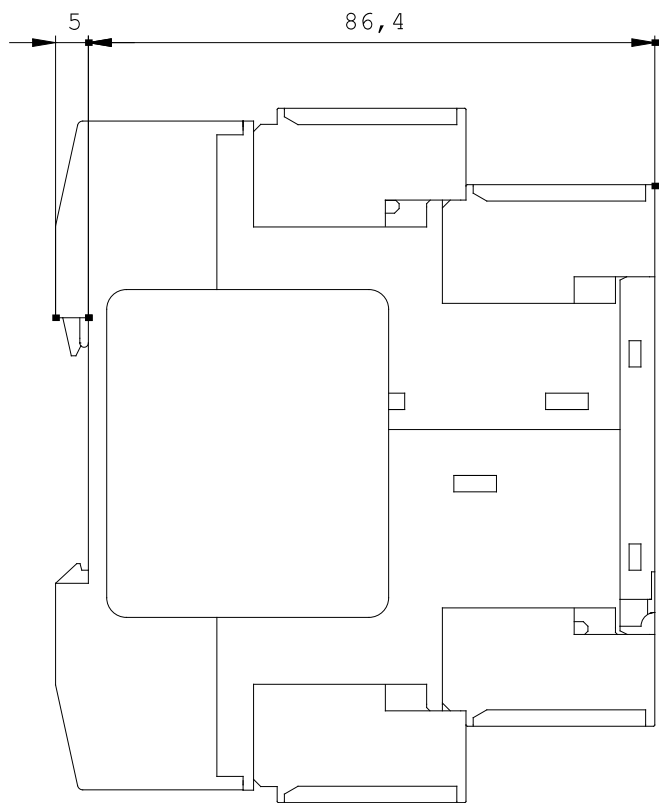
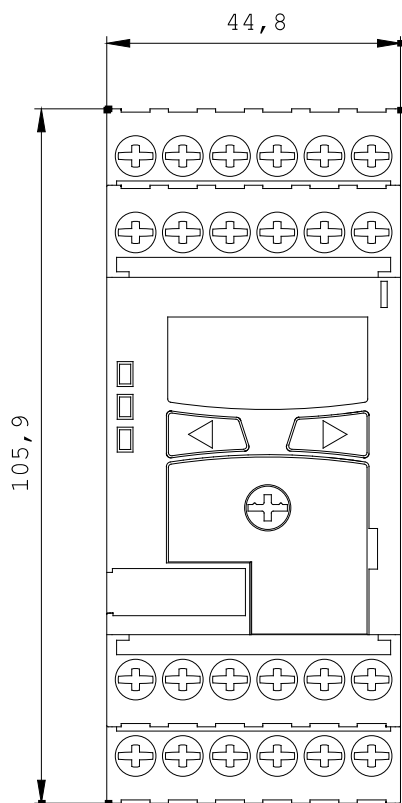
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RS1441-1HB50/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RS1441-1HB50



last change:

Jul 28, 2014