SIEMENS

Product data sheet 3RN1012-2CB00

THERMISTOR MOTOR PROTECTION STANDARD EVALUATION UNIT MANUAL/AUTO/REMOTE,1NO+1NC, AC/DC 24V, SPR.-LOADED TERMINAL

type of voltage Supply voltage frequency - 1 / for auxiliary and control current circuit - rated value - 2 / for auxiliary and control current circuit - rated value - 2 / for auxiliary and control current circuit - rated value Hz 50 Control supply voltage - 1 - at 50 Hz / for AC - rated value V 24 - at 60 Hz / for AC - rated value - for DC - rated value Number of measuring circuits Number of NC contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts Number of change-over switches / for auxiliary contacts Nember of change-over switches / for auxiliary contacts Measurable temperature - initial value - final value - v C 60 - final value - v C 60 - traced conting interlock - salf-reset - defect storage - reset external Item designation / according to DIN EN 61346-2 Item designation / according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 Amblent temperature / during operating - v C - 25 +60	General technical details:		
In the sum of the sum	type of voltage		AC/DC
• rated value • 2 / for auxiliary and control current circuit • rated value Control supply voltage • 1 • at 50 Hz / for AC • rated value • tor DC • rated value • for BC • rated value • for DC • rated value • V 24 Number of NC contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Number of change-over switches / for auxiliary contacts Number of change-over switches / for auxiliary contacts Number of change-over switches / for auxiliary contacts Poduct function • reclosing interlock • self-reset • defect storage • reset external tem designation / according to DIN EN 61346-2 Item designation / according to DIN 40719 extendable after IEC 204-2 / according to IEC 750	Supply voltage frequency		
• 2 / for auxiliary and control current circuit • rated value Control supply voltage • 1 • at 50 Hz / for AC • rated value • at 60 Hz / for AC • rated value • for DC • rated value • for DC • rated value Number of Mc contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Number of change-over switches / for auxiliary contacts Number of language • final value • final value • for DC • reclosing interfock • self-reset • defect storage • reset external Item designation / according to DIN EN 61346-2 Item designation / according to DIN EN 61346-2 Item designation / according to DIN 40719 extendable after IEC 204-2 / according to DIN 40719 extendable after IEC 204-2 / according to DIN EN 61346-2 K 60 C 0 C 0 C 0 C 0 C 0 C 0 C 0	 1 / for auxiliary and control current circuit 		
* rated value Control supply voltage 1	• rated value	Hz	50
Control supply voltage 1 • 1 • at 50 Hz / for AC • rated value V 24 • for DC value V 24 • for DC value V 24 • for DC value V 24 Number of NC contacts / for auxiliary contacts 1 1 Number of NC contacts / for auxiliary contacts 1 1 Number of change-over switches / for auxiliary contacts 0 0 Measurable temperature °C 60 • final value °C 60 • final value °C 80 • recolosing interlock Yes • self-reset Yes • defect storage Yes • reset external Yes Item designation / according to DIN 40719 extendable after IEC 204-2 / according to EC 750 K	 2 / for auxiliary and control current circuit 		
• 1	• rated value	Hz	60
• at 50 Hz / for AC • rated value • at 60 Hz / for AC • rated value • for DC • rated value • for DC • rated value V 24 Number of measuring circuits Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Number of change-over switches / for auxiliary contacts Number of change-over switches / for auxiliary contacts Measurable temperature • initial value • final value • reclosing interlock • self-reset • defect storage • reset external Item designation / according to DIN EN 61346-2 Item designation / according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 V 24 V 24 • 24 • C 60 •	Control supply voltage		
• rated value • at 60 Hz / for AC • rated value • for DC • rated value V 24 Number of measuring circuits Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Number of change-over switches / for auxiliary contacts Number of NO contacts / for auxiliary contacts 1 Number of NO contacts / for auxiliary contacts 0 Measurable temperature • initial value • °C 60 • for auxiliary contacts Yes ves • defect storage • reset external Item designation / according to DIN EN 61346-2 Item designation / according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 K	• 1		
at 60 Hz / for AC rated value for DC rated value V 24 Number of measuring circuits Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Number of change-over switches / for auxiliary contacts Number of change-over switches / for auxiliary contacts Newsurable temperature initial value final value final value fic 60 reclosing interlock self-reset defect storage reset external Item designation / according to DIN EN 61346-2 Item designation / according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 V 24 V 24 V 24 V 24 1 1 V 25 1 V 26 60 60 7 80 V 9 80 Ves Yes Ves Ves Ves Ves Ves Ves	• at 50 Hz / for AC		
• rated value • for DC • rated value V 24 Number of measuring circuits Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Number of change-over switches / for auxiliary contacts Number of NO contacts / for auxiliary contacts 1 Number of NO contacts / for auxiliary contacts 0 Measurable temperature • initial value • °C 60 • final value • °C 180 Product function • reclosing interlock • self-reset • defect storage • reset external Item designation / according to DIN EN 61346-2 Item designation / according to DIN 40719 extendable after IEC 204-2 / according to IEC 750	• rated value	V	24
*for DC *rated value V 24 Number of measuring circuits Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Number of change-over switches / for auxiliary contacts Number of change-over switches / for auxiliary contacts Measurable temperature *initial value *°C 60 *final value *°C 180 Product function *reclosing interlock *self-reset *defect storage *reset external Item designation / according to DIN EN 61346-2 Item designation / according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 **Ves** **C 180 **Ves** **Yes** **Yes** **Yes** **Yes** **Yes** **Yes** **Yes** **K **K **C 180 **Total value **Yes** *	• at 60 Hz / for AC		
• rated value Number of measuring circuits Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Number of change-over switches / for auxiliary contacts 0 Measurable temperature • initial value • °C 60 • C 180 Product function • reclosing interlock • self-reset • defect storage • reset external Item designation / according to DIN EN 61346-2 Item designation / according to DIN 40719 extendable after IEC 204-2 / according to IEC 750	• rated value	V	24
Number of measuring circuits Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Number of change-over switches / for auxiliary contacts Number of change-over switches / for auxiliary contacts Measurable temperature • initial value • final value • final value • reclosing interlock • self-reset • defect storage • reset external Item designation / according to DIN EN 61346-2 Item designation / according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 1 1 1 1 1 1 1 1 1 1 1 1 1	• for DC		
Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Number of change-over switches / for auxiliary contacts Measurable temperature • initial value • final value Product function • reclosing interlock • self-reset • defect storage • reset external Item designation / according to DIN EN 61346-2 Item designation / according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 1 1 1 1 1 1 1 1 1 1 1 1 1	• rated value	V	24
Number of NO contacts / for auxiliary contacts Number of change-over switches / for auxiliary contacts Measurable temperature initial value c C 60 final value reclosing interlock self-reset defect storage reset external Item designation / according to DIN EN 61346-2 Item designation / according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1	Number of measuring circuits		1
Number of change-over switches / for auxiliary contacts Measurable temperature initial value final value reclosing interlock self-reset defect storage reset external Item designation / according to DIN EN 61346-2 Item designation / according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 C 60 T80 Yes Yes Yes Yes K K	Number of NC contacts / for auxiliary contacts		1
Measurable temperature • initial value • final value • final value • reclosing interlock • self-reset • defect storage • reset external Item designation / according to DIN EN 61346-2 Item designation / according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 • C 60 • C 180 Yes Yes Yes Yes K K	Number of NO contacts / for auxiliary contacts		1
 initial value final value C 180 Product function reclosing interlock self-reset defect storage reset external tem designation / according to DIN EN 61346-2 Item designation / according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 	Number of change-over switches / for auxiliary contacts		0
• final value Product function • reclosing interlock • self-reset • defect storage • reset external Item designation / according to DIN EN 61346-2 Item designation / according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 **C 180 Yes Yes Yes K K K K	Measurable temperature		
Product function • reclosing interlock • self-reset • defect storage • reset external Item designation / according to DIN EN 61346-2 Item designation / according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 Ves Yes	• initial value	°C	60
reclosing interlock self-reset defect storage reset external Item designation / according to DIN EN 61346-2 Item designation / according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 Yes K K K K K K K K K K K K K	• final value	°C	180
Self-reset defect storage reset external Item designation / according to DIN EN 61346-2 Item designation / according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 Yes K K	Product function		
• defect storage • reset external Item designation / according to DIN EN 61346-2 Item designation / according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 Yes K K	reclosing interlock		Yes
• reset external Item designation / according to DIN EN 61346-2 Item designation / according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 Yes K	• self-reset		Yes
Item designation / according to DIN EN 61346-2 Item designation / according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 K	defect storage		Yes
Item designation / according to DIN 40719 extendable after IEC 204-2 / according to IEC 750	reset external		Yes
204-2 / according to IEC 750	Item designation / according to DIN EN 61346-2		Κ
Ambient temperature / during operating °C -25 +60			К
	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













Test Certificates

Shipping Approval

Special Test Certificate











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

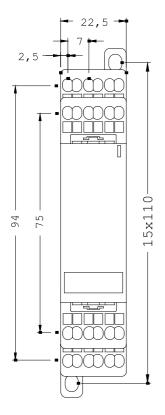
http://www.siemens.com/cax

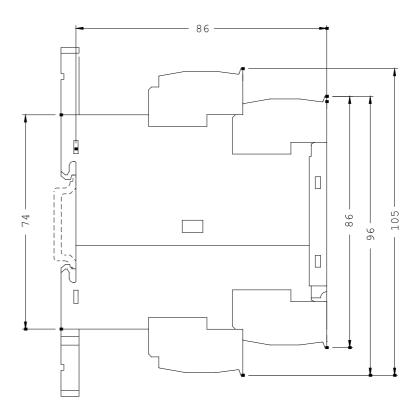
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

http://support.automation.siemens.com/WW/view/en/3RN1012-2CB00/all

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RN1012-2CB00





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