



Thermistor motor protection relays for PTC thermistors (type A PTCs)
All of the devices with the exception of 24 V AC/DC have electrical isolation

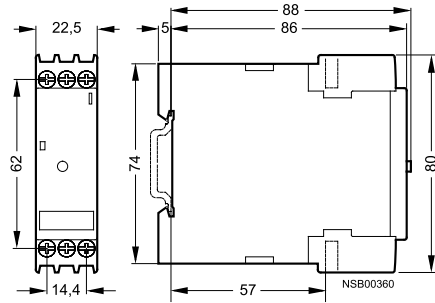
Version	Reset	Contacts	Control supply voltage	Order No..	List Price \$	
Compact evaluation units, 22.5 mm wide, monostable, closed-circuit current principle, 1 LED						
Terminal A1 is connected to the common of the changeover contact	Auto	1 CO	24 V AC/DC	3RN1000-□AB00		
			110 V AC	3RN1000-□AG00		
			230 V AC	3RN1000-□AM00		
Standard evaluation units, 22.5 mm wide, monostable, closed-circuit current principle, 2 LEDs						
	Auto	1 NO + 1 NC	24 V AC/DC	3RN1010-□CB00		
			110 V AC	3RN1010-□CG00		
			230 V AC	3RN1010-□CM00		
			24–240 V AC/DC	3RN1010-□CW00		
	2 CO	24 V AC/DC	3RN1010-□BB00			
		110 V AC	3RN1010-□BG00			
		230 V AC 230 V	3RN1010-□BM00			
	2 CO hard-gold-plated	24 V AC/DC	3RN1010-□GB00			
	Manual/ remote ³⁾	1 NO + 1 NC	24 V AC/DC	3RN1011-□CB00		
			110/230 V AC	3RN1011-□CK00		
	Short-circuits are detected in the sensor circuit	Manual/ remote ³⁾	2 CO	24 V AC/DC	3RN1011-□BB00	
				110 V AC	3RN1011-□BG00	
230 V AC				3RN1011-□BM00		
2 CO hard-gold-plated	24 V AC/DC	3RN1011-□GB00				
	24 V AC/DC	3RN1012-□CB00				
Holding on supply failure ²⁾	Manual/auto/ remote	1 N + 1 NC	110/230 V AC	3RN1012-□CK00		
			24 V AC/DC	3RN1012-□BB00		
Holding on supply failure ²⁾ , short-circuits are detected in the sensor circuit	Manual/auto/ remote	2 CO	24 V AC/DC	3RN1012-□BG00		
			110 V AC	3RN1012-□BB00		
			230 V AC	3RN1012-□BM00		
2 CO hard-gold-plated	24 V AC/DC	3RN1012-□GB00				
	24 V AC/DC	3RN1013-□BB00				
Holding on supply failure ²⁾ , short-circuits and wire breakage in the sensor circuit are detected and displayed, wide-range voltage with screw terminals with protective separation ¹⁾	Manual/auto/ remote	2 CO	24 V AC/DC	3RN1013-□BB00		
			24–240 V AC/DC	3RN1013-1BW10 3RN1013-2BW00		
		2 CO hard-gold-plated	24–240 V AC/DC	3RN1013-1GW10 3RN1013-2GW00		
Evaluation units for 2 sensor circuits, alarm and trip, 22.5 mm wide, monostable, closed-circuit current principle, 3 LEDs						
Test/reset button, holding on supply failure ²⁾ ; the evaluation circuit for “alarm” uses an NO contact in the open-circuit principle	Manual/auto/ remote	1 NO + 1 NC	24–240 V AC/DC	3RN1022-□DW00		
Evaluation units for 6 sensor circuits, multi-motor protection, 45 mm wide, monostable, closed-circuit current principle, 8 LEDs						
Test/reset button, holding on supply failure ²⁾	Manual/auto/ remote	1 NO + 1 NC	24–240 V AC/DC	3RN1062-□CW00		
Test/reset button, holding on supply failure ²⁾ , short-circuits and wire breakage in the sensor circuit are detected and displayed, bistable version, not tripped when the control supply voltage fails	Manual/auto/ remote	2 CO	24–240 V AC/DC	3RN1013-□BW01		

¹⁾ Protective separation up to 300 V according to DIN/VDE 0106
²⁾ Information regarding the holding on supply failure, refer to Catalog LV 1, chapter 7
³⁾ Reset using the reset button or by interrupting the control supply voltage

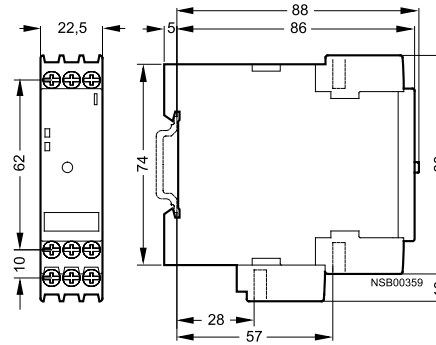
Screw terminal 1
Cage Clamp terminal 2

Dimension drawings

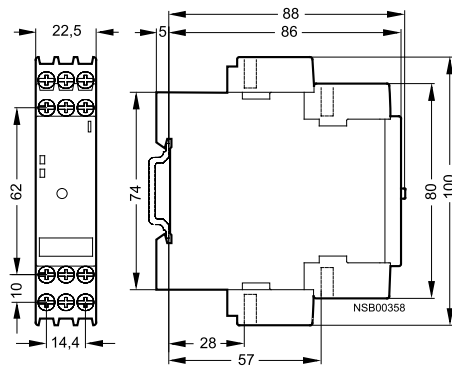
3RN10 00



3RN10 10



3RN10 11, 3RN10 12, 3RN10 13, 3RN10 22



3RN10 62

