

Measuring

Current measuring relay NMI 1001

- For monitoring the upper and lower limit values of single phase voltages
- 2 Designs, each with 3 measuring ranges between AC/DC 2 and 500 mA or 0.1 and 15A
- Sinusoidal, square, delta waveforms
- 16 ON-delay times selectable: no delay, 0.1 s - 3 h
- Measuring frequency range from 45 to 400 Hz
- Multi-functional: Open circuit or closed-circuit principle, hysteresis 3 % or 10 % from the setpoint



Description	Part No.	Std. Pack	Part No.	Std. Pack
Current measuring relay NMI 1001				
Measuring range / Rated voltage				
2 - 500mA / 24V DC	R3.185.0350.0	1		
2 - 500mA / 24V AC 50-60Hz			R3.185.0340.0	1
2 - 500mA / 115 - 120V AC 50-60Hz			R3.185.0370.0	1
2 - 500mA / 230 - 240V AC 50-60Hz			R3.185.0360.0	1
0,1 - 15A / 24V DC	R3.185.0390.0	1		
0,1 - 15A / 24V AC 50-60Hz			R3.185.0380.0	1
0,1 - 15A / 115 - 120V AC 50-60Hz			R3.185.0410.0	1
0,1 - 15A / 230 - 240V AC 50-60Hz			R3.185.0400.0	1
Technical Data				
Rated voltage U_N	1W		2,3W	
Operating voltage range	0.8 - 1.1 x U_N			
Electrical isolation from power supply circuit	yes			
Setting / number of measuring ranges	analog / 3			
Rated frequency of the measured value	45 - 400Hz			
Contact assignment	1 change-over contact / gold-plated			
Rated voltage	240V AC/DC			
Max. continuous current I_n per contact	5A			
Connector cross sections fine-stranded/solid	2 x 0.2 - 2.5 / 2 x 0.2 - 2.5 mm ²			
Protection degree housing/terminals acc. to	IP 40 / IP 20			
Dimensions (mm) W x H x D	22.5 x 93.5 x 123			
Ambient temperature	-20 °C...+60 °C			
Approvals	-			

Current measuring relay SIM 1001

- For monitoring the upper and lower limit values of single phase voltages
- 2 Designs, each with 3 measuring ranges between AC/DC 2 and 500mA or 0.1 and 15A
- Sinusoidal, square, delta waveforms
- 10 time ranges: no delay, 0.1 s - 3 h for the ON-delay time
- Measuring frequency range from 45 to 400 Hz
- Multi-functional: Open circuit or closed-circuit principle, hysteresis 3 % or 10 % from the setpoint



Description	Part No.	Std. Pack
Current measuring relay SIM 1001		
Measuring range / Rated voltage		
2 - 500mA / 24V AC 50-60Hz	R3.185.0280.0	1
2 - 500mA / 115V AC 50-60Hz	R3.185.0270.0	1
2 - 500mA / 230V AC 50-60Hz	R3.185.0210.0	1
0.1 - 15A / 24V AC 50-60Hz	R3.185.0250.0	1
0.1 - 15A / 115V AC 50-60Hz	R3.185.0240.0	1
0.1 - 15A / 230V AC 50-60Hz	R3.185.0200.0	1
Technical Data		
Rated voltage U_N	2.3W	
Operating voltage range	0.8 - 1.1 x U_N	
Electrical isolation from power supply circuit	yes	
Setting / number of measuring ranges	analog / 3	
Rated frequency of the measured value	45 - 400 Hz	
Contact assignment	1 normally closed, 1 normally open / gold-plated	
Rated voltage	230V AC/DC	
Max. continuous current I_n per contact	5A	
Connector cross sections fine-stranded/solid	2 x 0.75 - 1.5 / 2 x 0.75 - 2.5 mm ²	
Protection degree housing/terminals acc. to	IP 40 / IP 20	
Dimensions (mm) W x H x D	45 x 75 x 105.8	
Ambient temperature	-20 °C...+60 °C	
Approvals	®	

