


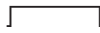


## Technical data

Data at  $T_a = 25\text{ °C}$  and rated values, unless otherwise indicated

### Input circuits

Supply circuit		A1-A2		
Rated control supply voltage $U_s$		110-130 V AC	220-240 V AC	24-240 V AC/DC
Rated control supply voltage $U_s$ tolerance		-15...+10 %		
Rated frequency		50/60 Hz		50/60 Hz or DC
Typical current / power consumption	24 V DC	-	-	30 mA / 0.75 W
	115 V AC	24 mA / 2.6 VA	-	17 mA / 1.9 VA
	230 V AC	-	12 mA / 2.6 VA	11 mA / 2.6 VA
Power failure buffering time		20 ms		
Transient overvoltage protection		varistors		
Measuring circuit		B-C		
Monitoring function		over- or undervoltage monitoring configurable		
Measuring method		TRMS measuring principle		
Measuring inputs	terminal connection	B-C		
	measuring range	3-30 V, 6-60 V, 30-300 V, 60-600 V		
	input resistance	600 k $\Omega$		
	pulse overload capacity $t < 1\text{ s}$	800 V		
	continuous capacity	660 V		
Threshold value		adjustable within the indicated measuring range		
Tolerance of the adjusted threshold value		10 % of the range end value		
Hysteresis related to the threshold value		3-30 % adjustable		
Measuring signal frequency range		DC / 15 Hz - 2 kHz		
Rated measuring signal frequency range		DC / 50-60 Hz		
Maximum response time	AC	80 ms		
	DC	120 ms		
Accuracy within the rated control supply voltage tolerance		$\Delta U \leq 0.5\%$		
Accuracy within the temperature range		$\Delta U \leq 0.06\% / \text{°C}$		
Transient overvoltage protection		varistors		
Timing circuit				
Time delay $T_V$		none		
Repeat accuracy (constant parameters)		$\pm 0.07\%$ of full scale		
Tolerance of the adjusted time delay		-		
Accuracy within the rated control supply voltage tolerance		-		
Accuracy within the temperature range		-		

### User interface

Indication of operational states		
Control supply voltage	U/T: green LED	 : control supply voltage applied
Measured value	U: red LED	 : overvoltage
		 : undervoltage
Relay status	R: yellow LED	 : output relay energized, no latching function