



DIGITAL MONITORING RELAY VOLTAGE MONITORING, 22.5MM FROM 17 TO 275V AC/DC OVERSHOOT AND UNDERSHOOT INTERNAL POWER SUPPLY DC AND AC 50 TO 60 HZ SPIKE DELAY 0.1 TO 20S HYSTERESIS 0.1 TO 150V 1 CHANGEOVER CONTACT W. OR W/O ERROR LOG SCREW TERMINAL REPLACEMENT PRODUCT F. 3UG3534, 3UG3535

Figure similar

Product function		Voltage monitoring relay
Measuring circuit:		
Type of voltage for monitoring		AC/DC
Number of poles for main current circuit		1
Measurable line frequency	Hz	50 ... 40
Measurable voltage at AC	V	17 ... 275
Adjustable voltage range	V	17 ... 275
Adjustable response delay time		
• when starting	s	0.1 ... 20
• with lower or upper limit violation	s	0.1 ... 20
Response time maximum	ms	450
Relative metering precision	%	5
Accuracy of digital display		+/-1 digit
Relative temperature-related measurement deviation	%	0.1
Relative repeat accuracy	%	1
General technical data:		
Design of the display		LCD
Product function		
• Voltage window recognition 1 phase		Yes

• Voltage window recognition 3 phase		No
• Voltage window recognition DC		Yes
• Overvoltage detection 1 phase		Yes
• Overvoltage detection 3 phase		No
• Overvoltage detection DC		Yes
• undervoltage detection 1 phase		Yes
• undervoltage detection 3 phases		No
• undervoltage detection DC		Yes
• External reset		Yes
• Auto-reset		Yes
• Adjustable open/closed-circuit current principle		Yes
Startup time after the control supply voltage has been applied	ms	1 000
Type of voltage of the control supply voltage		AC/DC
Control supply voltage		
• at AC		
— at 50 Hz rated value	V	17 ... 275
— at 60 Hz rated value	V	17 ... 275
• at DC rated value	V	17 ... 275
Operating range factor control supply voltage rated value		
• at AC		
— at 50 Hz		1 ... 1
— at 60 Hz		1 ... 1
• at DC		1 ... 1
Surge voltage resistance rated value	kV	4
Active power consumption	W	2
Protection class IP		IP20
Electromagnetic compatibility		IEC 60947-1 / IEC 61000-6-2 / IEC 61000-6-4
Vibration resistance acc. to IEC 60068-2-6		1 ... 6 Hz: 15 mm, 6 ... 500 Hz: 2g
Shock resistance acc. to IEC 60068-2-27		sinusoidal half-wave 15g / 11 ms
Installation altitude at height above sea level maximum	m	2 000
maximum permissible voltage for safe isolation		
• between control and auxiliary circuit	V	300
• between auxiliary and auxiliary circuit	V	300
Conducted interference due to burst acc. to IEC 61000-4-4		2 kV
Conducted interference due to conductor-earth surge acc. to IEC 61000-4-5		2 kV
Conducted interference due to conductor-conductor surge acc. to IEC 61000-4-5		1 kV
Electrostatic discharge acc. to IEC 61000-4-2		6 kV contact discharge / 8 kV air discharge