

- › EUL
- › Monitoring Relays
- › Voltage Monitoring Relays
- › DIN Rail Mount 22.5 mm

- › Voltage monitoring
- › 2 relays to cover 6 ranges of measurement : 0.2V to 600V
- › Automatic recognition AC/DC
- › Frequency up to 500 Hz



Specifications		
Measurement range	Supply voltage	Code
0,2 →60 V	24 V DC	84872020

Specifications	
Measurement range	Supply voltage
Code	0,2 →60 V
24 V AC	84872021

Specifications	
Measurement range	Supply voltage
Code	0,2 →60 V
120 V AC	84872023

Specifications	
Measurement range	Supply voltage
Code	0,2 →60 V
230 V AC	84872024

Power supply	
Voltage supply tolerance	-15 % / +15 % limited to -15 % / +10 % if products are mounted without space between them
Operating range	0,85 →1,15 Un
Immunity from micro power cuts	10 ms

Inputs and measuring circuit	
Frequency of measured signal	40 →500 Hz
Threshold adjustment	10 →100 % of the measurement range
Hysteresis	5 →50 % of displayed threshold
Display precision	±10 % of full scale
Repetition accuracy with constant parameters	± 0,1 %
Measuring error with voltage drift	< 0,5 %
Measuring error with temperature drift	± 0,05 % / °C

Time delays	
Delay on threshold crossing Tt	0,1 → 3 s ±10 %
Outputs	
Type of output	1 changeover AgNi, 8 AAC max
Type of contacts	No cadmium
Maximum breaking voltage	250 VAC/DC
Max. breaking current	8 AAC max.
Min. breaking current	100 mAAC/DC
Electrical life (number of operations)	AC 12 : 2000 VA - 10 ⁵ AC 15 : Cos φ = 0,3 - 6000 DC 13 : L/R = 300 ms - 6000
Breaking capacity (resistive)	2000 VAAC
Maximum rate	360 operations/hour at full load
Operating categories acc. to IEC/EN 60947-5-1	AC12, AC15, DC13
Mechanical life (operations)	5 x 10 ⁶
Insulation	
Insulation coordination (IEC/EN 60664-1)	Overvoltage category III : degree of pollution 2
Rated impulse withstand voltage (IEC/EN 60664-1)	4 kV (1,2 / 50 μs)
Dielectric strength (IEC/EN 60664-1)	2.5 kV AC 50 Hz 1 min.
Insulation resistance (IEC/EN 60664-1)	> 100 MOhm(s) / 500 VDC
General characteristics	
Display power supply	Green LED
Display relay	Yellow LED
Casing	22,5 mm
Mounting	On 35 mm symmetrical DIN rail, IEC/EN 60715
Mounting position	All positions
Protection (IEC/EN 60529)	Terminal block : IP20 Casing : IP50
Weight	160 g
Connecting capacity IEC/EN 60947-1	Rigid : 1 x 4 ² - 2 x 2.5 ² mm ² 1 x 11 AWG - 2 x 14 AWG Flexible with ferrules : 1 x 2.5 ² - 2 x 1.5 ² mm ² 1 x 14 AWG - 2 x 16 AWG
Max. tightening torques IEC/EN 60947-1	0,6 mN / 5,3 Lbf.In
Operating temperature IEC/EN 60068-2	-20 → +60
Storage temperature IEC/EN 60068-2	-30 → +70
Humidity IEC/EN 60068-2-30	93 % RH max. without condensation
Vibrations according to IEC/EN60068-2-6	10 → 55 Hz, A = 0.35 mm
Standards	
Product standard	IEC/EN 60255-1
Electromagnetic compatibility (EMC)	IEC/EN 61000-6-1, IEC/EN 61000-6-2, IEC/EN 61000-6-3, IEC/EN 61000-6-4
Certifications	UL, CSA
Marking	CE (DBT) 2006/95/EC - EMC 2004/108/EC
Conformity with environmental directives	RoHS

Dimensions	
EUL / EUH	

Curves	

Connections	
EUL	
EUL / EUH	