

# Dold Relay Timers

## MK Series Off-Delay Relay Timers

### Features

- Release delay, without control signal
- No voltage safe
- Delay up to 3, 30 or 300 sec
- Repeat accuracy  $\leq \pm 0.5\%$
- No recovery time
- Voltage range 24–240 VAC/VDC
- LED display for power supply
- 2 changeover contacts



MK7873N-82-61-3S

Off-Delay Relay Timers						
Part Number	Price	Timer Type	Timing Range	Voltage	Output Type	Drawing Link
MK7873N-82-61-3S		Off-delay	0.15 to 3 seconds	24–240 VAC/VDC	2 changeover contacts	PDF
MK7873N-82-61-30S		Off-delay	1.5 to 30 seconds	24–240 VAC/VDC	2 changeover contacts	PDF
MK7873N-82-61-300S		Off-delay	15 to 300 seconds	24–240 VAC/VDC	2 changeover contacts	PDF

Off-Delay Relay Timers Specification Table	
Input Specifications	
Nominal Voltage	24–240 VAC/VDC
Operating Voltage Range	24–240 VAC/VDC 19.2–264 VAC 21.6–300 VDC
Nominal Consumption	0.8W
Nominal Frequency	45 – 400 Hz
Contact Specifications	
Type	2 changeover contacts
Contact Material	AgSnO <sub>2</sub> +0.2 μm AU
Measured Nominal Voltage	250VAC
Switching Capacity (according to AC 15)	N.O. Contact 3A / 230VAC N.C. Contact 1A / 230VAC
Electrical Lifetime	8 x 10 <sup>5</sup> switching cycles
Switching Frequency	time ranges $\leq 10$ sec - 1400 switching cycles per hr time ranges $\geq 30$ sec - 700 switching cycles per hr
Max Fuse Rating	6A
Mechanical Lifetime	30 x 10 <sup>6</sup> switching cycles
Time Circuit Specifications	
Time Ranges	MK7873N-82-61-3S = 0.15 - 3 sec MK7873N-82-61-30S = 1.5 - 30 sec MK7873N-82-61-300S = 15 - 300 sec
Time Setting	Stepless
Minimum Switch-on Time	24VDC 150ms 200VAC 25ms
Recovery Time	0
Repeat Accuracy	$\leq 0.5\%$ of set value
Voltage Influence	$\leq 0.5\%$
Temperature Influence	$< 0.2\%$ / K

Off-Delay Relay Timers Specification Table (cont'd)	
General Specifications	
Connection (Integrated Screw terminals)	1 x 4mm <sup>2</sup> / 12AWG solid or 1 x 2.5 mm <sup>2</sup> / 14 AWG stranded ferruled or 2 x 1.5 mm <sup>2</sup> / 16 AWG stranded ferruled or 2 x 2.5 mm <sup>2</sup> / 14 AWG solid
Tightening Torque	0.8 N-m
Ambient Temperature	20°C to +60°C [-4°F to +140°F]
Storage Temperature	-25°C to +60°C [-13°F to +140°F]
Relative Air Humidity	93% at 40°C
Protection Rating	Housing IP40 / Terminals IP20
Vibration Resistance	Amplitude 0.35 mm frequency 10 – 55Hz
Mounting	35mm Din Rail
Relay Indicator	LED: on, when supply connected
Weight (g [oz])	132.0 [4.65]
Agency Approvals and Standards	cULus, CE
UL Data	
Switching Capacity	Ambient temperature 60°C: Pilot duty B300 5A 250VAC G.P. 5A 24VDC G.P.
UL Specified Wire Connection	60°C / 75°C copper conductors only Screw terminals fixed: AWG 20 – 12 solid or stranded Torque 0.8 Nm