DHC19M Multifunction Timer Relay

DIN-rail multifunction time relay · AC/DC 24–240 V · 0.6 s to 100 h · DHC



The DHC19M is a DIN-rail multifunction time relay with a universal AC/DC 24–240 V supply. Eight timing functions are available: two start from the supply voltage and six are started through the control input. The delay is set on the front dial across seven ranges covering 0.6 s to 100 h, and a changeover relay contact switches the load circuit. It is used for time-based control in machine panels, motor and pump sequencing, lighting and general automation.

General	
Brand	DHC
Model / type	DHC19M
Product type	Multifunction time relay (timer)
Mounting	DIN rail

Functional	
Timing functions	8 (2 controlled by supply voltage, 6 controlled by control input)
Time scale	0.6 s to 100 h, divided into 7 ranges
Time setting	Rotary dial on front panel
Function and range selection	Front DIP switches K1–K6 (Mode / T. Range)
Time deviation	±5 % (mechanical setting)
Repeat accuracy	±0.5 % (set value stability)
Control impulse length	25 ms minimum, no maximum
Reset time	150 ms
Indication	Red LED flashes during timing; green LED lit when relay is on

Electrical	
Supply voltage	AC/DC 24–240 V, 50/60 Hz
Operating voltage range	85 % to 110 % of rated supply voltage
Power consumption	AC 0.6 VA max; DC 0.6 W max
Output	1 changeover relay contact
Mechanical life	10^7 operations
Electrical life	10^5 operations

Connections	
A1 – A2	Supply voltage
Y1	Control input
15 – 16 – 18	Changeover output contact

Mechanical & Environmental	
Housing size	DIN-sized, 24 × 60 mm
Net weight	80 g
Ambient operating temperature	–10 °C to +55 °C

Typical applications: delay-on and delay-off control, motor and pump sequencing, lighting and ventilation timing, machine and process control panels.

Specifications are taken from the manufacturer's published data and are subject to change without notice. Confirm against the current manufacturer manual before rated or safety-critical use.
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