

CEH70

Time-delay static relays



The CEH70 is an electronic all-or-nothing time-delay relay available in the following versions:

- CEH70:
 - for order emission
 - 2 delayed contacts
 - 3 instantaneous contacts
 - 2 time-delay modes: ON-delay or OFF-delay
- CEH70MU2 & CEH70MU2S1:
 - for order suppression
 - 2 delayed contacts
 - 2 instantaneous contacts
 - (needs a permanent auxiliary supply)

In cases H (12 contact terminals), it allows the replacement of CH, HGT and CDH.

Type of delays

3 timing ranges allowing adjustments from 70 ms to 42 h:

Range	Multiplication factor	Rating 0.7 s 70 ms to 3 mn	Rating 20 s 2 s to 85 mn	Rating 10 mn 1 mn to 42 h
1	1	0.070 to 0.7s	2 to 20 s	1 to 10 mn
2	4	0.28 to 2.8 s	8 to 80 s	4 to 40 mn
3	32	0.224 to 22.4 s	64 to 640 s	32 to 320 mn
4	256	18 to 180 s	512 to 5,120 s	256 to 2,560 mn

Adaptability and robustness

The CEH70 relays offer the following advantages:

- precision and reliability,
- visualisation of relay states through front-facing indicators,
- compact size,
- immunity to HF disturbances,
- effective isolation between the supply circuit, contacts and earth.

OUR TRADEMARKS



GENERAL CHARACTERISTICS

- Choice of supply voltages alternating and direct current, except CEH70MU2S1 (for other ratings, please consult us)

CEH70	Order (-20% to +10%)	24 V	48 V	110 V	125 V	220 V
CEH70MU2	Order (-20% to +10%)	24 V	48 V	110 V	125 V	220 V
	Auxiliary (-20% to +10%)	24 V	48 V	110 V	125 V	220 V
CEH70MU2S1	Order and auxiliary (-20% to +10%)		48 V			

- Maximum consumption

CEH70		CEH70MU2 & CEH70MU2S1	
De-energised	0 W	Without order	0.6 W
During time-delay	1.7 W on-delay mode	With order	3.4 W
	3 W off-delay mode		
End of time-delay	3 W on-delay mode	During time-delay	2 W
	1.7 W off-delay mode		

- Contact current limit:

- continuous burden: 5 A
- maximal current limit: 250 A / 30 ms

- Response time

CEH70	Contacts	Pull-in	Drop-off
	instantaneous	8 ms	6 ms
delayed	on-delay mode: according to user time delay	6 ms	
	off-delay mode: 8 ms + user time delay		
CEH70MU2 & CEH70MU2S1	instantaneous	15 ms	12 ms
	delayed	15 ms	user time delay

- Indication accuracy (graduated point): $\pm 5\%$, conventional error: $\pm 10\%$ (from 100 ms)
- Type of relay contacts chosen by the user (NO/NC)
- Operating temperature: -10°C to $+55^{\circ}\text{C}$
- Dimensions without socket: 110 x 110 x 115 mm
- Weight: 0.6 kg

DIAGRAMS (schematic: front view - de-energised position)

