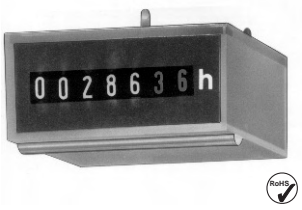


Micro Timers – HK 07, Disable-Input



- Disable-Input: also allows registration of short on-times (<36 s)
- 7 digits
- **High shock resistance**
- Low power consumption ideal for battery operation
- Magnified figures
- Built in counter
- PCB mount counter
- Solderable and wash proof version

Applications:

general counting, service interval for measurement systems (respiratory ventilators, oxygen machines, dialysis machines), small appliances, UV lamps, display panels in cars.

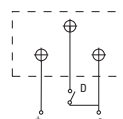
Technical data:

Electrical connection:	base mount models:	flying leads approx. 150 mm [5.906"]
	PCB-mount:	tin plated solder pins size 0.4 x 1.2 mm [0.016 x 0.047"]
Typ. power consumption:	at $U_B = 5\text{ V DC}$	typ. 82 mW
	at $U_B = 12\text{ V DC}$	typ. 135 mW
	at $U_B = 24\text{ V DC}$	typ. 135 mW
		max. 170 mW
	(every 36 s with a pulse length of 32 ms)	
Residual ripple:	< 1 %	
Current consumption:	< 1.5 mA (average)	
Rated voltage:	4.5 ... 35 V DC	
On time:	100 %	
Display:	7 (99999.99 h)	
Accuracy:	22.5 ppm at 25 °C [77 °F]	
Count mode:	adding	

Height of figures:	1.2 x 4 mm [0.047 x 0.57"]
Colour of figures:	white and red on black
Reset:	no
Ambient temperature:	-10 ... +60 °C [14 ... 140 °F]
Soldering temperature:	max. 265 °C, max. 3 sec.
Mounting position:	horizontal, (other on request)
Solder- and wash proof versions:	HK 07.90D and HK 07.91D,
Conforms to CE:	EN 61000-6-2
Requirements acc. to:	EN 55011 class B
Protection:	up to IP 65 depends on version
Housing:	plastic, (polycarbonate)
Weight:	16 ... 19 g [0.564 ... 0.67 oz]
Options:	
HK 07.20	flat pin connectors 0.8 x 2.8 mm [0.032 x 0.11"]
Further Options:	Temperature range -20 ... +70 °C [-4 ... 158 °F]

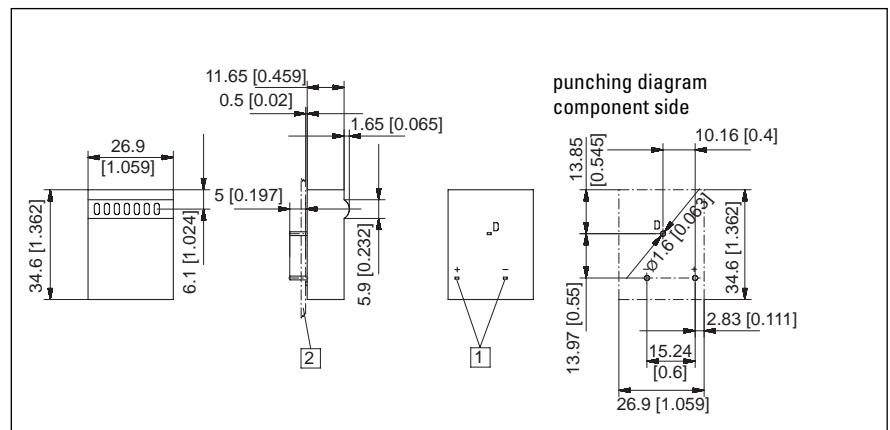
Available types:

Type	Housing	Height of figures	Display	el. connection	Description
HK 07.40 D	Steel sheet	4 mm [0.158"]	On broad side	Solder pins	PCB-mount
HK 07.50 D	Steel sheet	4 mm [0.158"]	On narrow side	Solder pins	PCB-mount
HK 07.90 D	Plastic	4 mm [0.158"]	On broad side	Solder pins	PCB-mount wash proof
HK 07.91 D	Plastic	2.8 mm [0.11"]	On narrow side	Solder pins	PCB-mount wash proof



D	Function
open	counting
closed	interval

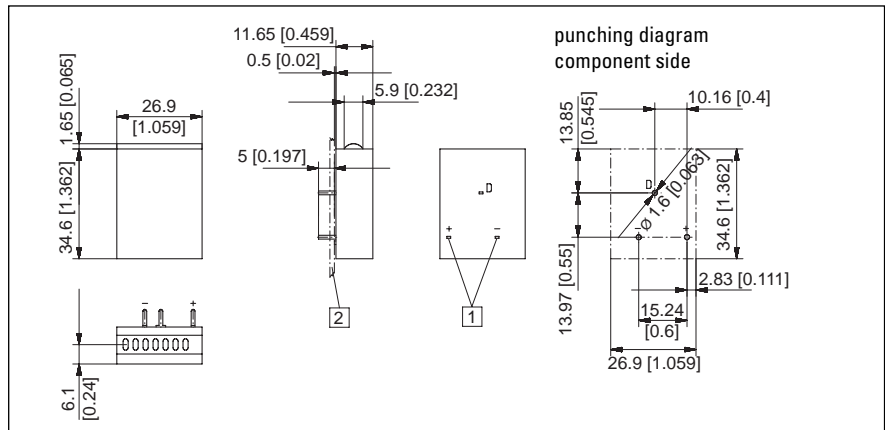
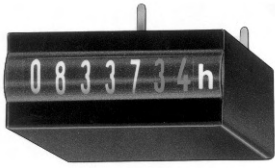
Type HK 07.40 D



HK 07.40 d	4.5 ... 35 V
Art-No.	3.104.401.383

- 1 Potential free mounting pin 0.4 x 1.2 mm [0.016 x 0.047"]
- 2 Coil connections 0.4 x 1.2 mm [0.016 x 0.047"]

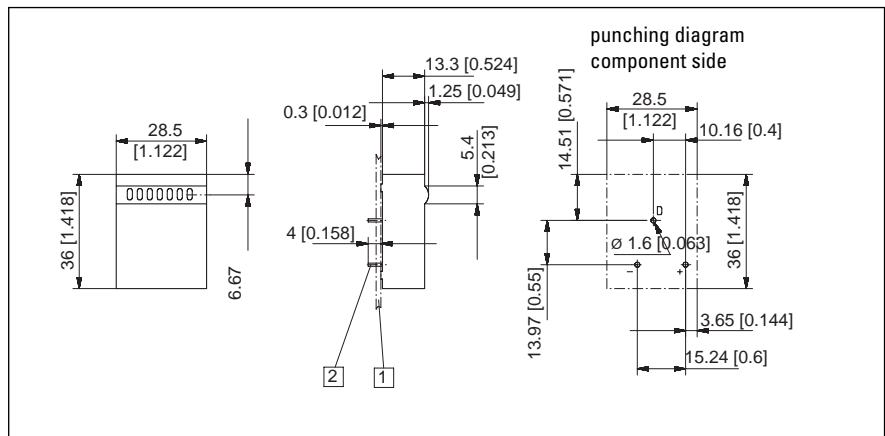
Type HK 07.50 D



HK 07.50 D	4.5 ... 35 V	
Art-No.	3.104.500.383	

- 1 Coil connections
- 2 PCB

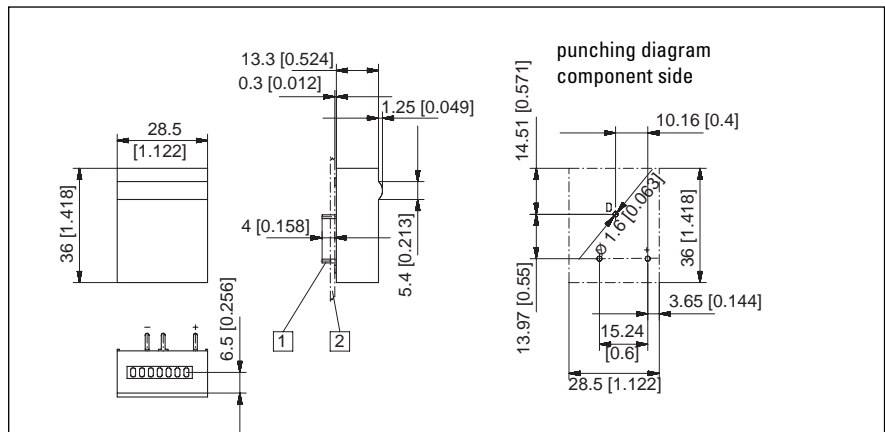
Type HK 07.90 D



HK 07.90 D	4.5 ... 35 V	
Art-No.	3.104.900.383	

- 1 Coil connections
- 2 PCB

Type HK 07.91 D



HK 07.91 D	4.5 ... 35 V	
Art-No.	3.104.910.383	

- 1 Coil connections
- 2 PCB