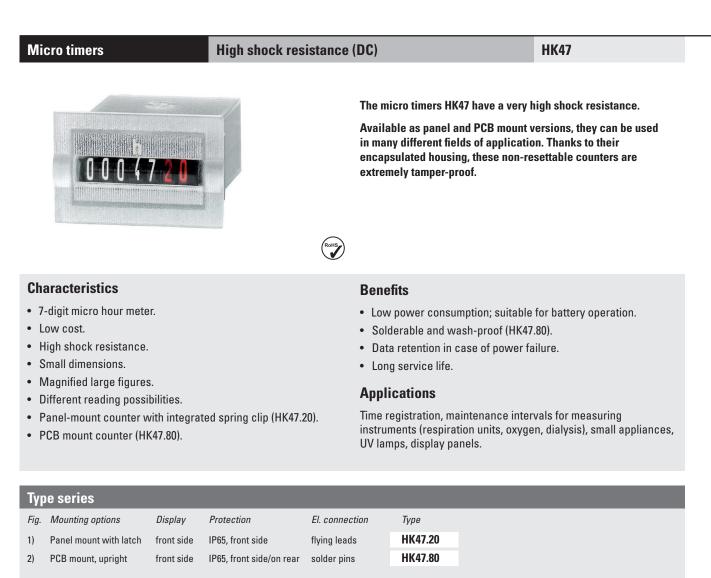
Hour meters / timers, electromechanical





Mounting options and position of the display





Hour meters / timers, electromechanical

Micro timers	High shock resistance	e (DC)	HK47
Technical data		Options	
Drive	pulse-driven, precision crystal controller via electronic divider circuit	HK47.20, HK47.80	flat pin 0.8 x 2.8 mm [0.031 x 0.11"] and push-on connectors
Pulse duration	32 ms; every 36 s = 0.01 h power on times < 36 s are not counted	HK47.20 HK47.80	solder pins ø 0.64 x 1.2 mm [0.025 x 0.047"] flying leads AWG 22
Electrical connection HK47.20 HK47.80	150 mm [5.91"] long (red +, black -)		approx. 150 mm [5.91"] long
Display	99999.99 h	Approvals	
Counting drum	figures white on black, decimal place red on black	CE compliant in accordance with EMC Directive RoHS Directive	
Rated Voltage	4.5 35 V DC		2011/03/20
Residual ripple	< 1 %	UKCA compliant in accordance with EMC Regulations	S.I. 2016/1091
Current consumption	< 1.5 mA (average)	RoHS Regulations	
$\begin{array}{l} \textbf{Power consumption} \\ (\text{count pulses every 36 s with a pulse du} \\ & at \ \textbf{U}_B = 5 \ \textbf{V} \ \textbf{DC} \\ & at \ \textbf{U}_B = 12 \ \textbf{V} \ \textbf{DC} \\ & at \ \textbf{U}_B = 24 \ \textbf{V} \ \textbf{DC} \end{array}$	typ. 82 mW typ. 135 mW		
Accuracy	22.5 ppm at 25 °C [77 °F]		
Height of figures	4 x 1.25 mm [0.16 x 0.049"]		
Reset	no reset		
Operating temperature	-10 °C +60 °C [+14 °F +140 °F] (non-condensing)		
Storage temperature	-20 °C +70 °C [-4 °F +158 °F]		
Mounting position	horizontal (other on request)		
Solderable and wash proof version	HK47.80		
Soldering temperature	265 °C [+509 °F], 3 s		
Protection HK47.80 (acc. to EN 60529) HK47.20			
Housing	PC transparent; HK47.80 fully sealed (potted)		
Weight	13 15 g [0.46 0.53 oz]		



1

14+0.5 [0.551+0.02]

Hour meters / timers, electromechanical

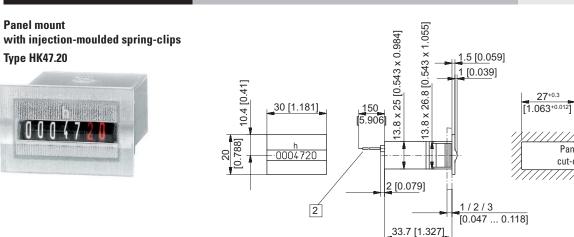
Micro timers

High shock resistance (DC)

HK47

27+0.3

Panel cut-out



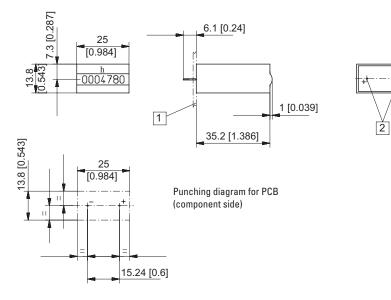
1 R_{max} 0.5 2 Flying leads AWG 22 (red+ / black-)

		Art. no.
Туре	Display	4.5 35 V DC
HK47.20	99999.99 h	3.060.200.383 ¹⁾

PCB mount

Type HK47.80





1 PCB 2 Solder pins ø 0.64 [0.025]

Туре	Display	Art. no. 4.5 35 V DC
HK47.80	99999.99 h	3.060.800.383