

Hour meters / timers, electromechanical

Timers, round design

With LED run indicator (AC+DC)

HR 47



The hour meter HR 47 with run indicator feature a very high shock resistance.

These panel-mount counters for round panel cut-outs can be used in many different fields of application. These non-resettable counters are very robust and extremely tamper-proof.



Characteristics

- 7-digit hour meter.
- For voltage ranges 10 ... 80 V DC, 100 ... 130 V AC and 187 ... 264 V AC.
- Magnified large figures.
- Protection IP65 on the front and rear sides.
- Suitable for any mounting position.
- Without reset, and thus tamper-proof.
- High shock and impact resistance.

Benefits

- With run indicator (AC version), optional LED (DC version).
- For panel cut-out \varnothing 50.5 mm with front panel dimensions \varnothing 58 mm.
- Simple and secure mounting with screwed clamping clip.

Applications

General time measurement, construction machinery and industrial trucks, small appliances, UV lamps, display panels in vehicles, compressors, air-conditioning equipment, etc..

Type series

Description	Mounting	Type
Timer, round	Clamping clip fixing, screw-on	HR 47

Accessories	Dimensions in mm [inch]		Order no.
Counter mounting fixture	for round counters with cut-out \varnothing 53 [2.09"]	black	N510199
Gasket, \varnothing 58 [2.28"]	for cut-out \varnothing 50 [1.97"]	black	N511182
Adapter and anti-vibration set	for HR 47, \varnothing 80 [3.15"] for cut-out \varnothing 71 [2.80"]	black	255319

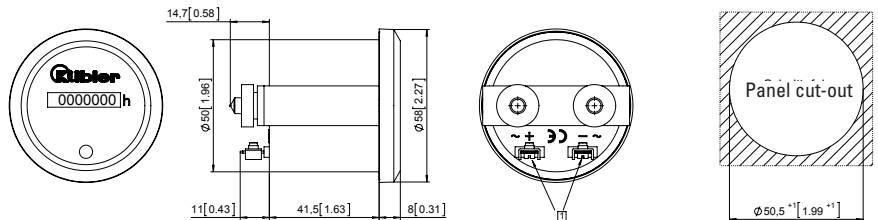
Suitable gaskets as well as further accessories can be found in the accessories section or in the accessories area of our website at: www.kuebler.com/accessories.

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Timers, round design		With LED run indicator (AC+DC)		HR 47
Technical data				
Electrical connection	screw terminal for flat pin 6.3 x 0.8 mm [0.25 x 0.031"]			
Power consumption	10 ... 80 V DC	max. 720 mW		
	100 ... 130 V AC, 60 Hz	max. 1.1 VA		
	187 ... 264 V AC, 50 Hz	approx. 1.2 VA		
Rated voltages	AC (50 or 60 Hz)	100 ... 130/187 ... 264 V AC,		
	DC	10 ... 80 V DC		
On time	100 %			
Number of digits	AC	7: 99999.99 h		
	DC	7: 999999.9 h		
Resolution	AC	0.01 h equals 36 s		
	DC	0.1 h equals 6 min		
Count mode	adding			
Height of figures	4 mm [0.16"]			
Color of figures	hours	white on black		
	decimal position	50 Hz - red on black 60 Hz - red on white		
Count position at delivery	1.00 - 1.02			
Operating temperature	AC	-25°C ... +80°C [-13°F ... +176°F] (non-condensing)		
	DC	-20°C ... +70°C [-4°F ... +158°F] (non-condensing)		
Relative humidity	< 95 % (non-condensing)			
Mounting position				
any				
Protection				
IP65, EN 60529 (except the connections)				
Housing				
plastic PC (Polycarbonate)				
Accuracy				
AC ±0.02 % DC ±0.002 %				
Weight				
approx. 50 g [1.76 oz]				
Run indicator				
AC fast rotating wheel in viewing window DC optional LED				
Test voltage				
2000 V AC, 50 Hz for AC version				
EMC standards				
EN 55011 class B EN 61000-6-2, EN 61000-6-3				
Device safety				
designed to EN 61010 part 1 protection class 2 application area pollution level 2				
Options				
Counter for ø 52 mm [0.20"] with screwed clamping bracket or screw thread on request				

 Hour meters /
Timers

Timer, round Type HR 47



1) Electrical connection: +/- left, -/~ right (rear view)

Front bezel thickness max. 6 [0.24] without having to shorten the clamping bracket

Type	Display	Voltage	Art. no.		
			10 ... 80 V DC	100 ... 130 V 60 Hz	187 ... 264 V 50 Hz
HR 47	7 digits	V AC, with run indicator		3.474.901.084 ¹⁾	3.474.901.075 ¹⁾
	7 digits	V DC, without run indicator	3.474.901.373 ¹⁾		
	7 digits	V DC, with run indicator	3.474.911.373 ¹⁾		
					further types on request