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 ø 50.5 mm with front panel dimensions ø 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 ø 53 [2.09"]	black	**N510199**
Gasket, ø 58 [2.28"]	For cut-out ø 50 [1.97"]	black	**N511182**
Adapter and anti-vibration set	For HR 47, ø 80 [3.15"] for cut-out ø 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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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"]
Colour of figures	hours	white on black
	decimal position	50 Hz - red on black 60 Hz - red on white
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)
Counter reading on delivery		1,00 - 1,02

Mounting position		any
Protection		up to 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	Emitted interference	EN 55011 class B
	Immunity to interference	EN 61000-6-2
Device safety	Designed to	EN 61010 part 1
	Protection class	2
	Application area	Pollution level 2

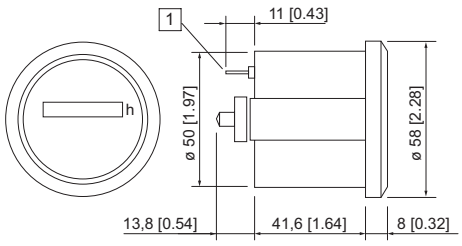
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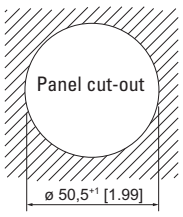
Counter for ø 52 mm [0.20"] with screwed clamping bracket or screw thread on request

Timer, round

Type HR 47







1 Electrical connection

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	6 digits	V AC, with run indicator		**3.474.901.084** 1)	**3.474.901.075** 1)	
		V DC, without run indicator	**3.474.901.373** 1)			further types on request
		V DC, with run indicator	**3.474.911.373** 1)			

Dimensions in mm [inch]

1) Stock types

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