Hour meters / timers, electromechanical

Timers, round design | **With LED run indicator (AC+DC)** | **HR47**



The hour meter HR47 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	**HR47**

Accessories

		Type / size	Description		Order no.
Mounting support			for round counters with cutout ø 53 mm	black	**N510199**
Gasket counter		**ø 58 mm [2.28“]**	for cut-out ø 50 mm		**N511182**
Adapter and anti-vibration set		**ø 80 mm [3.15“]**	for cut-out ø 71 mm	black	**255319**

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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“]
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 at +25 °C [+77 °F]		≤ 80 % (non-condensing)
Altitude		up to 2000 m [6562‘]
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

Approvals

CE compliant in accordance with

EMC Directive	2014/30/EU
RoHS Directive	2011/65/EU
Low Voltage Directive	2014/35/EU

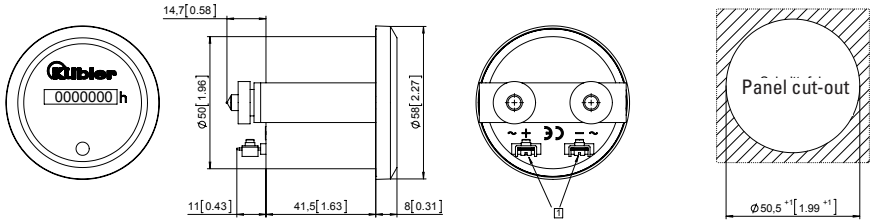
UKCA compliant in accordance with

EMC Regulations	S.I. 2016/1091
RoHS Regulations	S.I. 2012/3032
Low Voltage Regulations	S.I. 2016/1101

Timer, round

Type HR47





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	
HR47	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)			further types on request
	7 digits	V DC, with run indicator	**3.474.911.373** 1)			

Dimensions in mm [inch]

1) Stock types

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