Hour meters / timers, electromechanical

Timers with DIN dimensions | **Small format (AC+DC)** | **HK17**



The hour meters HK17 feature a very high shock resistance.

These panel-mount counters are available in many panel sizes. They can be used in many different fields of application. These non-resettable counters are extremely tamper-proof.

Characteristics

- 7 or 8-digit hour meter.
- Without reset.
- High shock resistance.
- Small dimensions.
- Magnified large figures.
- Protection IP65 on the font side.
- UL-approved.

Benefits

- Many different front panel sizes and cut-outs.
- Data retention in case of power failure.
- Long service life.

Applications

General time measurement, maintenance intervals for medical equipment (respiration units, oxygen, dialysis), small appliances, UV lamps, display panels in vehicles.

Order code

HK17	.	X (a)	X (b)	1 (c)	.	XX (d)	.	56 [1]

a *Front bezel*
0 = without front bezel (through housing)
2 = small front bezel with clip
4 = front bezel with holes at the side

b *Type of housing*
5 = housing black with welded viewing window

c *Color*
1 = black

d *Electrical connection*
11 = flat pin 0.8 x 6.3 mm [0.031 x 0.25“] (optional)
39 = screw terminal (standard) with flat pin 0.8 x 6.3 mm [0.031 x 0.25“]

Accessories

		Type / size	Description		Order no.
Gasket counter		**55 x 26 mm [2.16 x 1.02]**	for HK17.451		**N511043**
		36 x 24 mm [1.42 x 0.94]	for HK17.251.39.56		**N511040**

1) 56 for front bezel 36 x 24 mm [1.42 x 0.94“]

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Technical data

Electrical connection		flat pins 0.8 x 6.3 mm [0.031 x 0.25“] with screw terminals (max. tightening torque 0.8 Nm) or flat pins 0.8 x 6.3 mm [0.031 x 0.25“]
Power consumption	10 ... 30 V DC	approx. 500 mW
	36 ... 80 V DC	approx. 900 mW
	100 ... 130 V DC	approx. 750 mW
	20 ... 30 V AC, 50 Hz	approx. 0.3 VA
	42 ... 48 V AC , 50 Hz	approx. 0.25 VA
	100 ... 130 V AC, 50 Hz	approx. 0.6 VA
	187 ... 264 V AC, 50 Hz	approx. 1.2 VA
	360 ... 440 V AC, 50 Hz	approx. 1.65 VA
Rated voltages	AC (50 or 60 Hz)	20 ... 30 V, 42 ... 48 V, 100 ... 130 V, 187 ... 264 V, 360 ... 440 V
	DC	10 ... 30 V, 36 ... 80 V, 100 ... 130 V
Number of digits	7 at AC	99999.99 h
	8 at DC	999999.99 h
Accuracy	AC	supply frequency + 30 ms
	DC	<0.003 % (at 24 h)
Height of figures		3.8 x 1.7 mm [0.15 x 0.067“] optical
Color of figures		white and red on black
Operating temperature		-15 °C ... +50 °C [+5 °F ... +122 °F] (non-condensing)
Storage temperature		-40 °C ... +85 °C [-40 °F ... +185 °F]
Relative humidity at +30 °C [+86 °F]		≤ 80 % (non-condensing)
Altitude		up to 2000 m [6562‘]
Mounting position		any
Protection		IP65 (front side)
Device safety	designed to	EN 61010 part 1
	protection class	2
	application area	pollution level 2
Housing		plastic PC (Polycarbonate) types with protection IP65 are sealed
Weight		approx. 40 g [1.41 oz]

Options

Counter with flat pin 0.8 x 6.3 mm [0.031 x 0.25“]	Art. no. 3.138.X51.XXX

Approvals

UL compliant in accordance with	File no. E128604 [1]
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

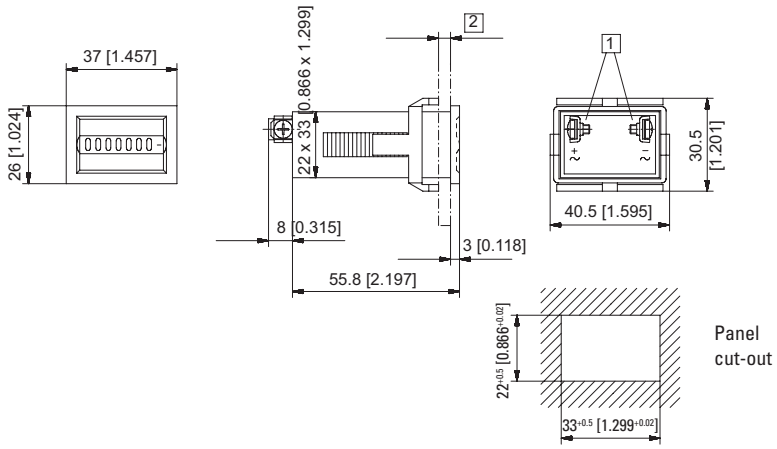
1) The version 360 ... 440 V AC is not UL listed

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Timers with DIN dimensions | Small format (AC+DC) | HK17

Panel mount with mounting clip
Type HK17.251.39



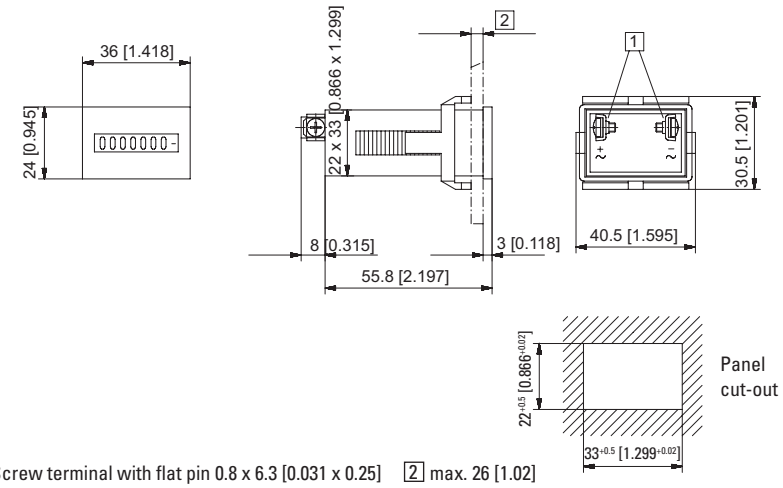


1 Screw terminal with flat pin 0.8 x 6.3 [0.031 x 0.25] 2 max. 26 [1.02]

Type	Display	Voltage	Art. no. 10 ... 30 V	20 ... 30 V	36 ... 80 V	42 ... 48 V	100 ... 130 V	187 ... 264 V	360 ... 440 V
HK17.251.39	7 digits	AC (50 Hz)		**3.130.251.071**		**3.130.251.072**	**3.130.251.074**	**3.130.251.075** [1]	**3.130.251.079**
	7 digits	AC (60 Hz)		**3.130.251.081**		**3.130.251.082**	**3.130.251.084**	**3.130.251.085**	**3.130.251.089**
	8 digits	DC	**3.130.251.351** [1]		**3.130.251.353**		**3.130.251.381**		

Panel mount with mounting clips
Type HK17.251.39.56





1 Screw terminal with flat pin 0.8 x 6.3 [0.031 x 0.25] 2 max. 26 [1.02]

Type	Display	Voltage	Art. no. 10 ... 30 V	20 ... 30 V	36 ... 80 V	42 ... 48 V	100 ... 130 V	187 ... 264 V	360 ... 440 V
HK17.251.39.56	7 digits	AC (50 Hz)		**3.130.251.071.056**		**3.130.251.072.056**	**3.130.251.074.056**	**3.130.251.075.056** [1]	**3.130.251.079.056**
	7 digits	AC (60 Hz)		**3.130.251.081.056**		**3.130.251.082.056**	**3.130.251.084.056**	**3.130.251.085.056**	**3.130.251.089.056**
	8 digits	DC	**3.130.251.351.056** [1]		**3.130.251.353.056**		**3.130.251.381.056**		

Dimensions in mm [inch]

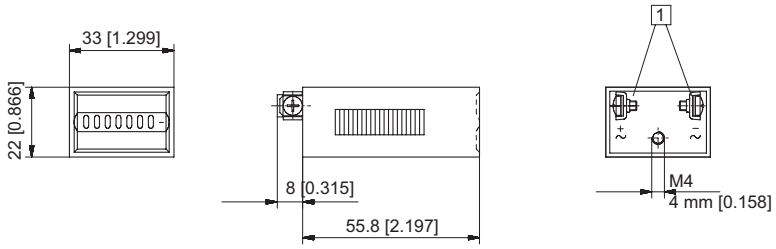
1) Stock types

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Timers with DIN dimensions | Small format (AC+DC) | HK17

Base mount with central fixing on rear
Type HK17.051.39



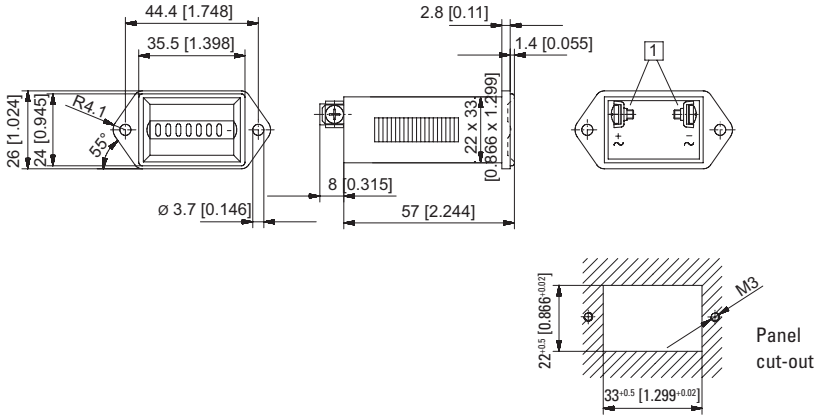


1 Screw terminal with flat pin 0.8 x 6.3 [0.031 x 0.25]

Type	Display	Voltage	Art. no. 10 ... 30 V	20 ... 30 V	36 ... 80 V	42 ... 48 V	100 ... 130 V	187 ... 264 V	360 ... 440 V
HK17.051.39	7 digits	AC (50 Hz)		**3.130.051.071**		**3.130.051.072**	**3.130.051.074**	**3.130.051.075**	**3.130.051.079**
	7 digits	AC (60 Hz)		**3.130.051.081**		**3.130.051.082**	**3.130.051.084**	**3.130.051.085**	**3.130.051.089**
	8 digits	DC	**3.130.051.351**		**3.130.051.353**		**3.130.051.381**		

Panel mount with 2 holes at the side
Type HK17.451.39





1 Screw terminal with flat pin 0.8 x 6.3 [0.031 x 0.25]

Type	Display	Voltage	Art. no. 10 ... 30 V	20 ... 30 V	36 ... 80 V	42 ... 48 V	100 ... 130 V	187 ... 264 V	360 ... 440 V
HK17.451.39	7 digits	AC (50 Hz)		**3.130.451.071**		**3.130.451.072**	**3.130.451.074**	**3.130.451.075** [1]	**3.130.451.079**
	7 digits	AC (60 Hz)		**3.130.451.081**		**3.130.451.082**	**3.130.451.084**	**3.130.451.085**	**3.130.451.089**
	8 digits	DC	**3.130.451.351**		**3.130.451.353**		**3.130.451.381**		

Dimensions in mm [inch]

1) Stock types

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