Timers with DIN dimensions | DIN counter for panel mount / DIN rail housing, 48 x 48 mm (AC+DC) | H 57 / AH 57



The hour meters H 57, H 57.55, H 57.72 and AH 57 feature a very high shock resistance.
These panel / DIN rail mount counters have a reduced mounting depth. They can be used in many different fields of application.
These non-resettable counters are extremely tamper-proof.

5 Jahre / years Gewährleistung / warranty
Made in Germany by Kübler

Characteristics

- 7 or 8-digit hour meter.
- High shock and impact resistance.
- Without reset, small mounting depth.
- Magnified large figures.
- Protection IP52 (optional IP65), suitable for any mounting position.
- UL-approved.
- Various front bezel sizes
  - H 57 48 x 48 mm
  - H 57.55 55 x 55 mm
  - H 57.72 72 x 72 mm
  - AH 57 48 x 48 mm for DIN rail

Benefits

- 5 years guarantee [1].
- High reliability: for a better sale of your final product.
- Data retention in case of power failure.
- Long service life.

Applications

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

Type series

Description	*Mounting*	*Front bezel*	*Type*
Standard DIN timer	clip mounting, on rear	48 x 48 mm [1.89 x 1.89"]	**H 57**
Standard DIN timer	clip mounting, on rear	55 x 55 mm [1.97 x 1.97"]	**H 57.55**
Standard DIN timer	clip mounting, on rear	72 x 72 mm [2.83 x 2.83"]	**H 57.72**
Base mount timer	DIN rail 35 mm [1.38"] acc. to DIN EN 50022		**AH 57**

Accessories	Dimensions in mm [inch]		Order-No.
Adapter front bezel, 55 x 55 [2.17 x 2.17]	For cut-out 50 x 50 [1.97 x 1.97] or ø 50.5 [2.17] to cut-out 45 x 45 [1.77 x 1.77], with clip mounting for counters 48 x 48 [1.89 x 1.89]	black	**T008171**
Adapter front bezel, 60 x 75 [2.36 x 2.95]	For cut-out 50 x 50 [1.97 x 1.97] to cut-out 45 x 45 [1.77 x 1.77] with screw mounting for counters 48 x 48 [1.89 x 1.89]	black	**T008860**
Adapter front bezel, 72 x 72 [2.83 x 2.83]	For cut-out 68 x 68 [2.68 x 2.68] to cut-out 45 x 45 [1.77 x 1.77] (Mating clip T009420 must be ordered separately)	black	**T008177**
Adapter front bezel, ø 72 [2.83]	For cut-out ø 60 [2.36] to 45 x 45 [1.77 x 1.77], with clip mounting for counters 48 x 48 [1.89 x 1.89]	black	**N510226**
Base-mount socket	For H 57	black	**G008040**

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.

1) When used as specified in the technical data.

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Timers with DIN dimensions | DIN counter for panel mount / DIN rail housing, 48 x 48 mm (AC+DC) | H 57 / AH 57

Technical data

Electrical connection		screw terminals (tightening torque max. 0.8 Nm) wire entry from behind, for ø 2.5 mm² [AWG13]
Power consumption	10 ... 30 V DC	approx. 500 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
On time		100 %
Number of digits	7 at AC	99999.99 h
	8 at DC	999999.99 h
Count mode		adding
Height of figures		4 mm **[0.16"]**
Colour 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		< 95% (non-condensing)
Mounting position		any
Protection		IP52, DIN 40050 (front side)
Housing		plastic PC (Polycarbonate)
Accuracy	AC	supply frequency + 30 ms
	DC	< 0.003 % (at 24 h)
Weight	H 57	approx. 48 g [1.69 oz]
	base mount socket no. 48	36 g [1.27 oz]
	slip-on bezel 55	8 g [0.28 oz]
	slip-on bezel 72	13 g [0.46 oz]
Operating indicator of the running time meter	AC	fast rotating wheel with red dashes
	DC	11/100 h display turns continuously by 1 digit in 36 s
Test voltage		2000 V AC, 50 Hz for AC counters
UL approval		E128604 the version 360 ... 440 V AC is not UL listed

Options

Colour of housing	grey	Art.-No. 3.22X.400.XXX
Timer H 57.55 mounted with adapter front bezel 55 x 55 mm [2.17 x 2.17"]		Art.-No. 3.221.XXX.XXX
Timer H 57.72 montiert mit Adapter-Frontrahmen 72 x 72 mm [2.83 x 2.83"]		Art.-No. 3.222.XXX.XXX
Electrical connection		
flat pin 0.8 x 6.3 mm [0.031 x 0.25"]		Art.-No.: 3.228.401.XXX
IP65 version, welded front cover		
	H 57	Art.-No. 3.220.XXX.XXX.422
	H 57.55	Art.-No. 3.221.XXX.XXX.423
	H 57.72	Art.-No. 3.222.XXX.XXX.424
Required gaskets between the counter and the bezel		
	H 57	N511018
Gasket set	H 57.55	N511018 + N511017
	H 57.72	N511018 + N511016
(with the IP65 version, the gasket is included in the delivery)		
Further voltages on request		
Counter with cable inlet from underneath, screw fixing from rear		Art.-No. 3.220.401.XXX.044

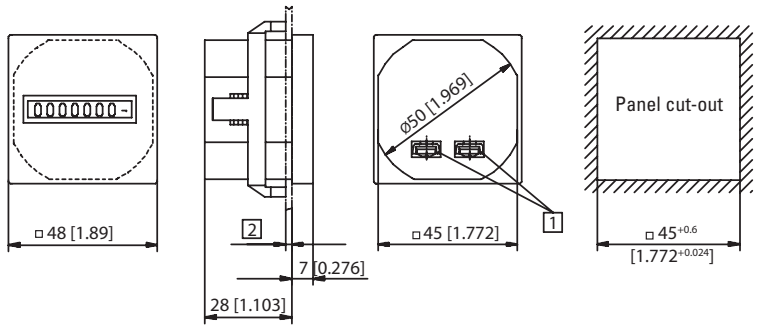
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Hour meters / timers, electromechanical

Timers with DIN dimensions | DIN counter for panel mount / DIN rail housing, 48 x 48 mm (AC+DC) | H 57 / AH 57

Standard DIN timer
clip mounting, on rear
Type H 57





1 Screw terminal with flat pin 0.8 x 6.3 [0.031 x 0.25] 2 max. 9 [0.35]

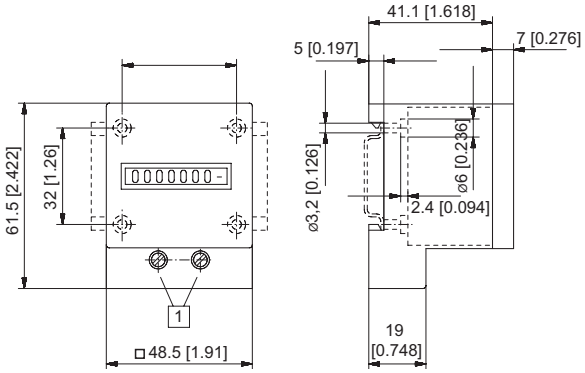
Type	Display	Voltage	Art.-No. 10 ... 30 V	20 ... 30 V	42 ... 48 V	100 ... 130 V	187 ... 264 V	360 ... 440 V
H 57	7 digits	AC (50 Hz)		**3.220.401.071** 1)	**3.220.401.072**	**3.220.401.074** 1)	**3.220.401.075** 1)	**3.220.401.079**
		AC (60 Hz)		**3.220.401.081** 1)	**3.220.401.082**	**3.220.401.084** 1)	**3.220.401.085** 1)	**3.220.401.089**
		DC	**3.220.401.351** 1)			**3.220.401.381**		

Further stock types:

3.220.401.075.422	187... 264 V AC, IP65
3.220.401.351.422	10 ... 30 V DC, IP65
3.228.401.075	187... 264 V AC, flat pins

Base mount timer
DIN rail mount 35 [1.38] acc. to DIN EN 50022
Type AH 57





1 Screw terminals

Type	Display	Voltage	Art.-No. 10 ... 30 V	20 ... 30 V	42 ... 48 V	100 ... 130 V	187 ... 264 V	360 ... 440 V
AH 57	7 digits	AC (50 Hz)		**3.223.401.071**	**3.223.401.072**	**3.223.401.074** 1)	**3.223.401.075** 1)	**3.223.401.079**
		AC (60 Hz)		**3.223.401.081**	**3.223.401.082**	**3.223.401.084** 1)	**3.223.401.085** 1)	**3.223.401.089**
		DC	**3.223.401.351** 1)			**3.223.401.381**		

Dimensions in mm [inch]

1) Stock types.

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