

Hour meters / timers, electromechanical

Timers with DIN dimensions

DIN counters for panel mount, 48 x 24 mm (AC+DC)

H37



The hour meters H37 feature a very high shock resistance.

These panel mount counters with standard DIN dimensions 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 front side.
- Panel mount counter with integrated spring clip (H37.4).
- UL-approved.

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	Panel cut-out	Type
Standard DIN counter for panel mount	mounting clip, on rear	45 x 22 [1.77 x 0.91"]	H37
Standard DIN counter for panel mount	2 mounting holes	50 x 25 [1.97 x 0.98"]	H37.1
Standard DIN counter for panel mount	mounting clip, on rear	50 x 25 [1.97 x 0.98"]	H37.2
Standard DIN counter for panel mount	mounting clip, on rear	45 x 22 [1.77 x 0.91"]	H37.5

Dual function timer
48 x 48 mm [1.89 x 1.89"] on request

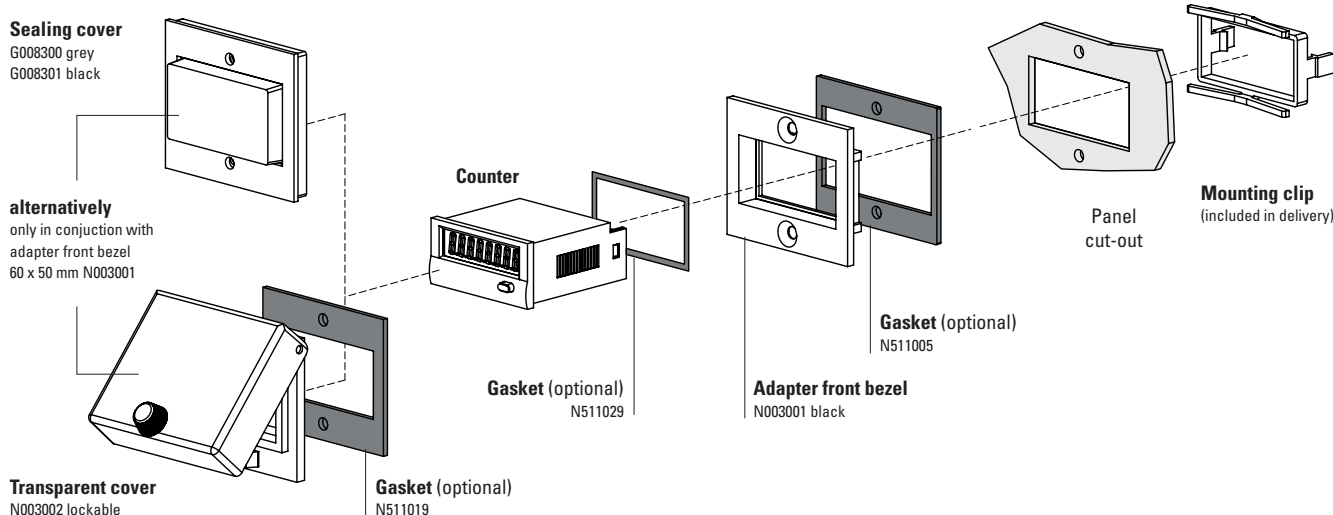


1) When used as specified in the technical data

Hour meters / timers, electromechanical

Timers with DIN dimensions	DIN counters for panel mount, 48 x 24 mm (AC+DC)	H37
-----------------------------------	---	------------

Accessories / Mounting examples



		Type / size	Description		Order no.	suitable gasket
Adapter front bezel (only for H37 + H37.5)		53 x 28 mm [2.09 x 1.10"]	for cut-out 50 x 25 mm [1.97 x 0.98"] to cut-out 45 x 22.2 mm [1.77 x 0.94"]	grey black anthracite	T008164 T008165 T008180	N511015
		56 x 40 mm [2.20 x 1.57"]	for cut-out 50 x 25 mm [1.97 x 0.98"] to cut-out 45 x 22.2 mm [1.77 x 0.94"] screw mounting	black anthracite	T008161 T008181	N511045
		72 x 36 mm [2.83 x 1.42"]	for cut-out 68 x 33 mm [2.68 x 1.30"] to cut-out 45 x 22.2 mm [1.77 x 0.94"]	black and silver anodised as set	162704Set	—
		60 x 50 mm [2.36 x 1.97"]	for cut-out 54 x 29 mm [2.13 x 1.14"] to cut-out 45 x 22.2 mm [1.77 x 0.94"] screw mounting	black	N003001	N511005
		48 x 48 mm [1.89 x 1.89"]	for cut-out 45 x 45 mm [1.77 x 1.77"] to cut-out 45 x 22.2 mm [1.77 x 0.94"]	black	T008883	—
Sealing cover IP65 (only for H37 + H37.5)		K1	only in conjunction with adapter front bezel 60 x 50 mm N003001	transparent / grey transparent / black	G008300 G008301	—
Transparent cover IP65 (only for H37 + H37.5)		1 Dv (mounted on bezel)	cover lockable, for cut-out 54 x 29 mm [2.13 x 1.14"], only in conjunction with adapter front bezel 60 x 50 mm N003001	transparent / black	N003002	N511019
Gasket counter			48 x 24 mm (for installation in adapter front bezel) 49 x 25 mm 53 x 28 mm	H37 + H37.5 H37 + H37.5 H37.2	N511029 N511034 N511015	
Mounting frame (only for H37 + H37.5)		cut-out 50 x 25 mm [1.97 x 0.98"]	via adapter T008180 for snap-on mounting on 35 mm [1.38"] top-hat DIN rail	chromated	G300004	—
Terminal cover		KA 37	2-pcs. per counter required	transparent	T051687	—

Hour meters / timers, electromechanical

Timers with DIN dimensions	DIN counters for panel mount, 48 x 24 mm (AC+DC)	H37
----------------------------	--	-----

Technical data		
Electrical connection		screw terminals (tightening torque max. 0.8 Nm)
Power consumption	10 ... 30 V DC 36 ... 80 V DC 100 ... 130 V DC 20 ... 30 V AC, 50 Hz 42 ... 48 V AC, 50 Hz 100 ... 130 V AC, 50 Hz 187 ... 264 V AC, 50 Hz	approx. 500 mW approx. 900 mW approx. 750 mW approx. 0.3 VA approx. 0.25 VA approx. 0.6 VA approx. 1.2 VA
Rated voltages	AC (50 or 60 Hz) DC	20 ... 30 V, 42 ... 48 V, 100 ... 130 V, 187 ... 264 V 10 ... 30 V, 36 ... 80 V, 100 ... 130 V
On time		100 %
Number of digits	AC DC	7 – 99999.99 h 8 – 999999.99 h
Resolution		0.01 h equals 36 s
Height of figures		4 mm [0.16"]
Color of figures		white and red on black
Reset		no reset
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) built in with gasket, (order gasket separately)
Device safety	designed to protection class application area	EN 61010 part 1 2 pollution level 2
Housing		plastic PC (Polycarbonate) types with IP65 protection are sealed (potted)
Accuracy	AC DC	supply frequency + 30 ms < 0.003 % (at 24 h)
Weight	H37 slip on bezel 37.1 slip on bezel 37.2	approx. 50 g [1.76 oz] 6 g [0.21 oz] 2 g [0.07 oz]

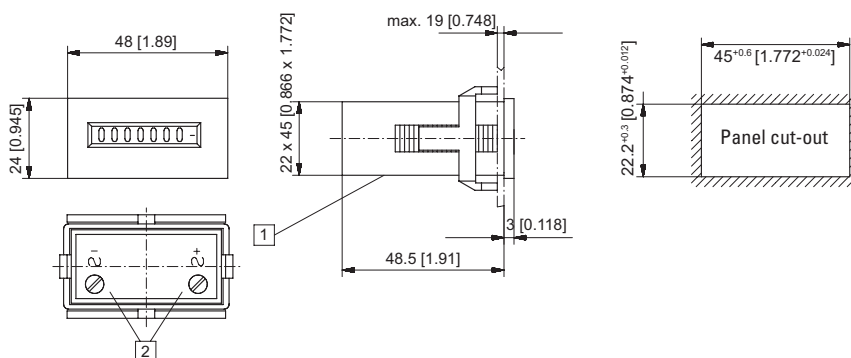
Options		
Housing color	grey	Art. no. 3.130.X50.XXX
Electrical connection	flat pin 0.8 x 6.3 mm [0.031 x 0.25"] screw terminal with terminal cover spring-type terminal	Art.-No.: 3.24X.20X.XXX.011 Art.-No.: 3.24X.20X.XXX.456 on request
360 - 440 V AC		on request

Approvals		
UL compliant in accordance with		File no. E128604
CE compliant in accordance with	EMC Directive RoHS Directive Low Voltage Directive	2014/30/EU 2011/65/EU 2014/35/EU

Hour meters / timers, electromechanical

Timers with DIN dimensions DIN counters for panel mount, 48 x 24 mm (AC+DC) H37

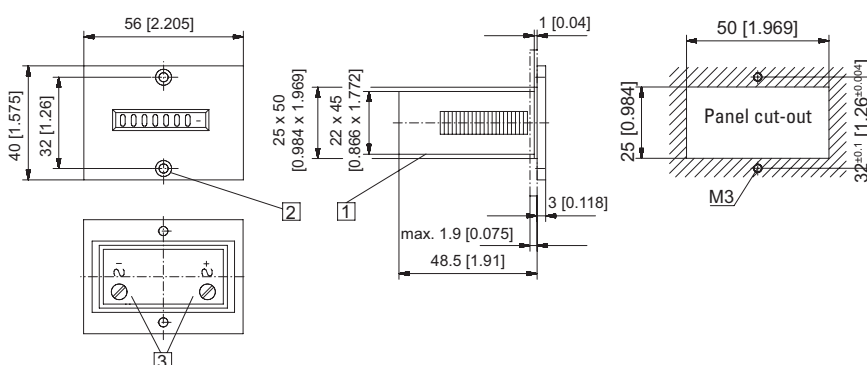
Mounting clip, on rear,
panel mount dimensions 45 x 22 [1.77 x 0.91]
Type H37



1 Wire entry 2 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
H37	7 digits	AC (50 Hz)			3.240.201.071		3.240.201.072	3.240.201.074	3.240.201.075
	7 digits	AC (60 Hz)			3.240.201.081		3.240.201.082	3.240.201.084	3.240.201.085
	8 digits	DC	3.240.201.351			3.240.201.353		3.240.201.381	

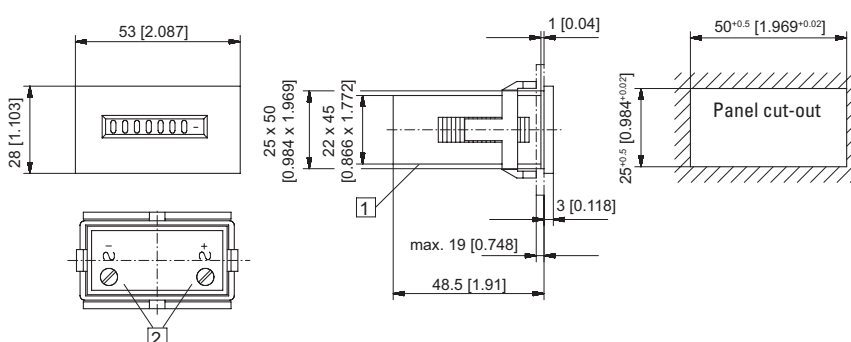
2 mounting holes,
panel mount dimensions 50 x 25 [1.97 x 0.98"]
Type H37.1



1 Wire entry 2 Countersinking Af3, DIN 74 3 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
H37.1	7 digits	AC (50 Hz)			3.241.201.071		3.241.201.072	3.241.201.074	3.241.201.075
	7 digits	AC (60 Hz)			3.241.201.081		3.241.201.082	3.241.201.084	3.241.201.085
	8 digits	DC	3.241.201.351			3.241.201.353		3.241.201.381	

Mounting clip, on rear,
panel mount dimensions 50 x 25 [1.97 x 0.98"]
Type H37.2



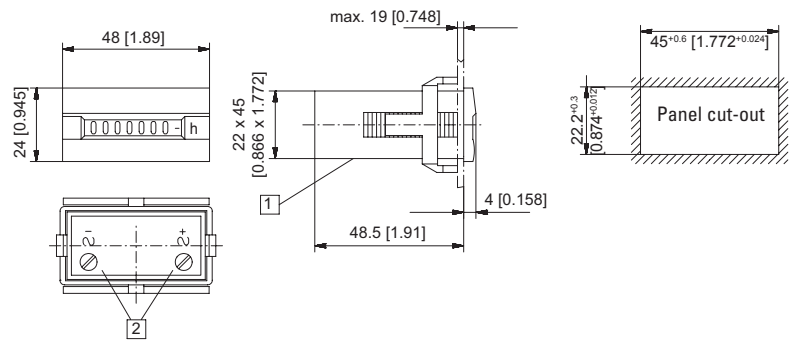
1 Wire entry 2 Screw terminal with flat pin 0.8 x 6.3 [0.031 x 0.25]

Type	Display	Voltage	Art. no.	10 ... 30 V	20 ... 30 V	36 ... 80 V	42 ... 48 V	100 ... 130 V	187 ... 264 V
H37.2	7 digits	AC (50 Hz)			3.242.201.071		3.242.201.072	3.242.201.074	3.242.201.075
	7 digits	AC (60 Hz)			3.242.201.081		3.242.201.082	3.242.201.084	3.242.201.085
	8 digits	DC	3.242.201.351			3.242.201.353		3.242.201.381	

Hour meters / timers, electromechanical

Timers with DIN dimensions	DIN counters for panel mount, 48 x 24 mm (AC+DC)	H37
-----------------------------------	---	------------

DIN counter for panel mount
mounting clip, on rear,
panel mount dimensions 45 x 22 [1.77 x 0.91]
Type H37.5



1 Wire entry 2 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	
H37.5	7 digits	AC (50 Hz)		3.245.201.071		3.245.201.072	3.245.201.074	3.245.201.075	
	7 digits	AC (60 Hz)		3.245.201.081		3.245.201.082	3.245.201.084	3.245.201.085	
	8 digits	DC	3.245.201.351		3.245.201.353		3.245.201.381		