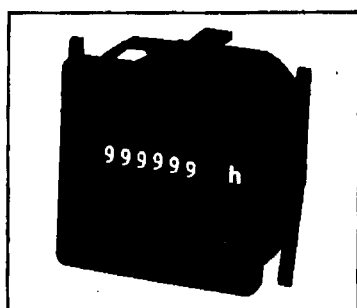


Hour meters HK-46 are designed for the determination and monitoring of operating time, warranty period and maintenance intervals on electrically driven machines and devices, mainly in mechanical processing, woodworking, textile and paper industry, on central heating boilers, electrical furnaces, power drives and rectifiers etc. They are available in a variety of mounting techniques, for all common voltages and with a mounting depth of only 32 mm. As a special version, they offer a fully sealed plastic housing. Hour meters are connected in parallel to the control circuit behind the start gear, thus working only during the operation of a machine or device. The hour meters cover a time range from 0 to 99,999.99 h (AC) resp. 999,999.9 (DC). They restart automatically at 0 when leaving the range limit. There is no separate reset facility.



HK-46, mounting G

TECHNICAL DATA AC

Connection: -combined flat pins 6.3x0.8 mm with screw terminals

-simple flat pins 6.3x0.8 mm

Supply voltage: 24V, 48V, 60V, 110V, 230V, ($\pm 10\%$)

Mains frequency: 50Hz, 60Hz

Motor: synchronous motor

Protection class: IP 40 front side

Operating temp. range: $-25^{\circ}\text{C} \dots +80^{\circ}\text{C}$

Reading accuracy: 1/100 hour (36 sec.)

Counting range: 99,999.99 hours

Number of digits: 5 integers, 2 decimals

Digit size: 4 mm

Digit color: - integers: white
- decimals: red

Housing colour: black

Mounting: fork clamp G, snap fastener F, DIN rail D, aluminium clamp A

Front dimensions: 48x48 mm

Adapter frames: 55x55 mm, 72x72 mm

Special version: IP 65

DC

flat pins 6.3x0.8 mm with screw terminals

flat pins 6.3x0.8 mm

6 - 30V, 10 - 80V, 110V ($\pm 10\%$)

step motor

IP 40 front side

$-20^{\circ}\text{C} \dots +70^{\circ}\text{C}$

1/10 hour (6 min.)

999,999.9 hours

6 integers, 1 decimal

4 mm

- integers: white
- decimals: red

black

fork clamp G, snap fastener F, DIN rail D, aluminium clamp A

48x48 mm

55x55 mm, 72x72 mm

IP 65

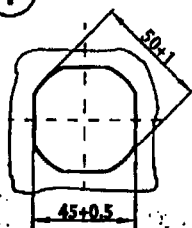
Ordering data

Please quote the following data when ordering:

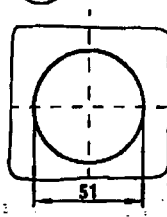
- type,
- supply voltage,
- mains frequency,
- mounting,
- adapter frame,
- connection,
- protection class.

Mounting hole

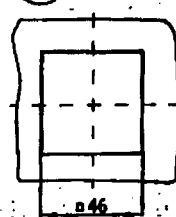
①



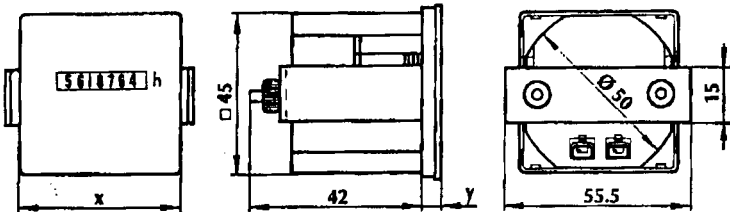
②



③

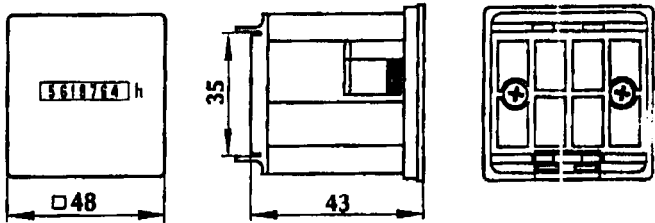


Mounting A

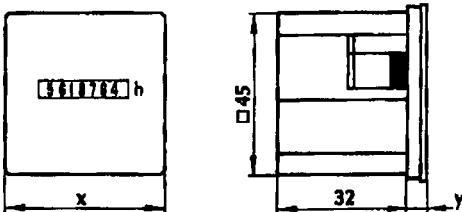


x (mm)	y(mm)	Mounting hole
48 x 48	6	1
55 x 55	7	1, 2 or 3
72 x 72	7	1, 2 or 3

Mounting D

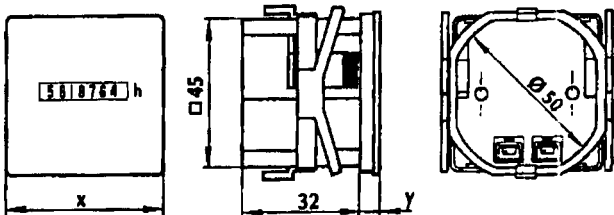


Mounting F



x (mm)	y(mm)	Mounting hole
48 x 48	6	1

Mounting G



x (mm)	y(mm)	Mounting hole
48 x 48	6	1
55 x 55	7	1, 2 or 3
72 x 72	7	1, 2 or 3