



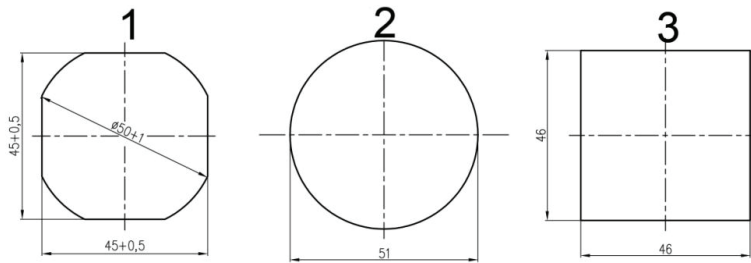
Description:

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 32mm. 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.

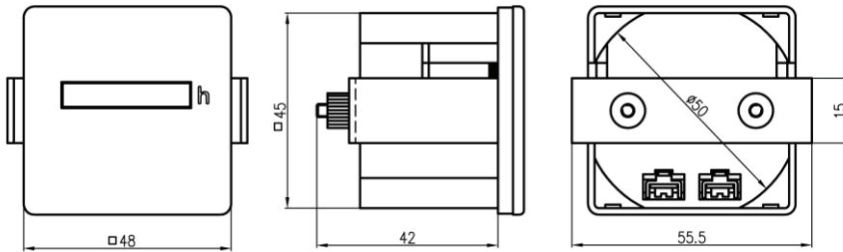
| Technical Data | AC | DC |
|---------------------------------|--|--|
| Connection: Combined -Simple | Flat Pins 6.3 × 0.8mm with Screw Terminals Flat Pins 6.3 × 0.8mm | Flat Pins 6.3 × 0.8mm with Screw Terminals Flat Pins 6.3 × 0.8mm |
| Supply Voltage | 25V, 48V, 60V, 110V, 230V, (± 10%) | 6 – 30V, 10 – 80V, 110V (± 10%) |
| Mains Frequency | 50Hz, 60Hz | - |
| Motor | Synchronous Motor | Step Motor |
| Protection Class | IP 40 front side | IP 40 front side |
| Operating Temp. Range | -25°C to +80°C | -20°C to +70°C |
| Reading Accuracy | 1/100 hour (36 sec.) | 1/10 hour (6min.) |
| Counting Range | 99,999.99 hours | 99,999.99 hours |
| Number of Digits | 5 Integers, 2 Decimals | 6 Integers, 1 Decimal |
| Digit Size | 4mm | 4mm |
| Digit Colour | Integers: White Decimals: Red | Integers: White Decimals: Red |
| Housing Colour | Black | Black |
| Mounting | Fork Clamp G, Snap Fastener F, DIN Rail D, Aluminium Clamp A | Fork Clamp G, Snap Fastener F, DIN Rail D, Aluminium Clamp A |
| Front Dimensions | 48 × 48mm, 72 × 72mm | 55 × 55mm, 72 × 72mm |
| Special Version | IP 65 | IP 65 |

Hour Counter

Mounting Hole

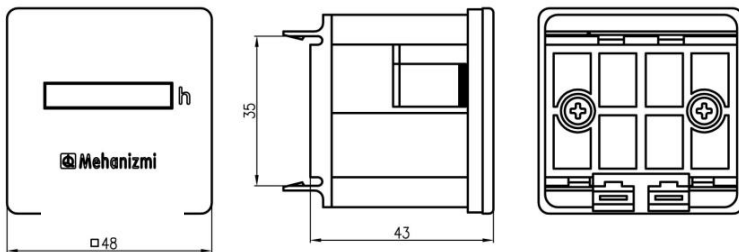


Mounting A

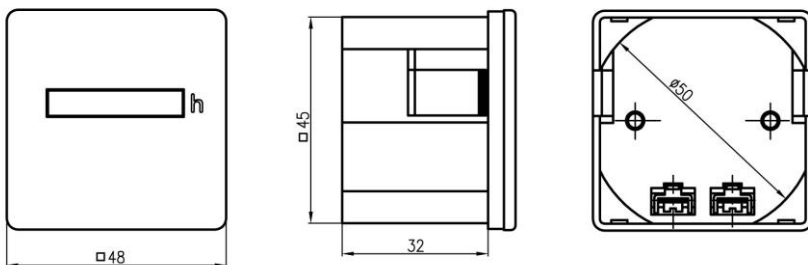


| x (mm) | y (mm) | Mounting Hole |
|---------|--------|---------------|
| 48 × 48 | 6 | 1 |
| 55 × 55 | 7 | 1, 2 or 3 |
| 72 × 72 | 7 | 1, 2 or 3 |

Mounting D



Mounting F



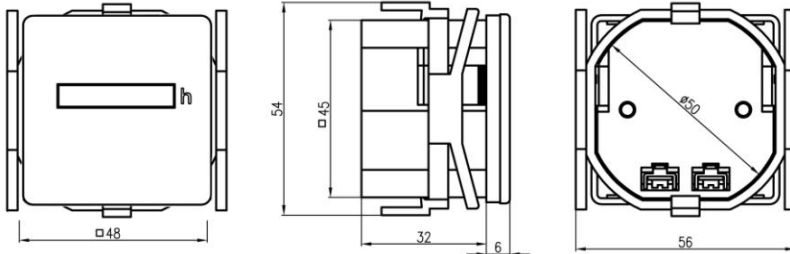
| x (mm) | y (mm) | Mounting Hole |
|---------|--------|---------------|
| 48 × 48 | 6 | 1 |

Dimensions : Millimetres

Hour Counter



Mounting G



Dimensions : Millimetres

| x (mm) | y (mm) | Mounting Hole |
|---------|--------|---------------|
| 48 × 48 | 6 | 1 |
| 55 × 55 | 7 | 1, 2 or 3 |
| 72 × 72 | 7 | 1, 2 or 3 |

Part Number Table

| Description | Part Number |
|--------------------------|-------------|
| Hour Counter, Elect-Mech | HK4624VAC |
| | HK46110VAC |
| | HK46240VAC |
| Bezel, 55 × 55 | HK4655X55 |
| Bezel, 72 × 72 | HK4672X72 |

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