

**Combined maximum demand ammeter  
moving iron + bimetal- system**



MBC72 | MBC96

**72x72 | 96x96  
DIN 43700  
bimetalsystem and  
moving iron system with  
additional red pointer  
class 1,5 / 3,0**

These instruments exploit the combining of thermal equipment with moving iron equipment, permitting deferred reading (typical of a bimetallic system) combined with instantaneous reading of the current values.

**display**

pointer	Black according to DIN 43802 – pointer reflection: 90°
additional indicator	colour: red - resettable
unit	A (kA)
accuracy (relative to full scale)	Moving iron: class 1,5 - bimetal system: class 3
color of scale	scale background: white – numbers black
graduation	coarse fine
changeable scale plates	yes

**input**

range	Connection on current transformers .../5A or .../1A 8 Min. or 15 Min.
overload	Bimetal: 20% of In    moving iron: 100% of In
burden	Bimetal: 2,5VA        moving iron: 1,0VA
frequency	40...60Hz

**standards**

standards	CENELEC HD 233, CEI 85-3, IEC51, VDE0410, BS89, C42-100
safety standards	CENELEC HD 215, CEI113-10, IEC414, DIN57410, BS5458
safety CE EN 61010-1:2001-11	CAT III – 600V AC

**Working conditions**

reference temperature	20°C +/- 1°C
operating temperature	20°C +/- 10°C    (-10...+55°C with a acceptable error class)
effect of temperature	+/- 0,05% / °C
storage of temperature	-40....+70°C

**housing**

front frame	72x72   96x96
fixing	panel mounting
housing depth	53mm (with terminal cover 63mm)
connection	brass screws
housing material	Thermoplastic to UL-94, V-O classification
protection	IP52 (front)   IP00 (connector)   IP20 (with cover)
weight	ca. 0,12...0,35 kg

connection / dimensions

