



analogue measuring instruments  
DC - current



**48x48 | 72x72**  
**96x96 | 144x144 - DIN 43700**  
**moving coil**  
**class 1.5**

**MC48 | MC72 | MC96 | MC144**

**display**

pointer	black conform to DIN 43802 – scale plate division 90°
unit	A
accuracy class referred to the full-scale value	1,5
scale color	scale plate: white – division and numbers: black
scale division	rough - Fine
changeable scale plates	yes

**input**

connection on shunt:	.../60mV or .../150mV DC
In 48x48   72x72   96x96   144x144 Instrumente	µA : 50   60   100   150   250   400   600   800   900
	mA: 1   1,5   2,5   4   5   6   10   15   20   25   40   60   100   150   250   400   500   600   800   900   4-20mA
direct range for A = 48-instruments only max. 30A DC	A : 1   1,5   2,5   4   5   6   10   15   20   25   30   40   60
burden	ammeter: 60mV

**standards**

technical characteristics	CENELEC HD 233, CEI 85-3, IEC51, VDE0410, BS89, C42-100
safety standards	CENELEC HD 215, CEI13-10, IEC414, DIN57410, BS5458
safety CE EN 61010-1:2001-11	CAT III

**environmental conditions**

reference temperature	20°C +/- 1°C
operating temperature	20°C +/- 10°C (-10...+55°C without damage in continuous service)
effect temperature	+/- 0,05% / °C
storage temperature	-40...+70°C

**housing**

front frame	48x48   72x72   96x96   144x144
mounting	panel
depth of housing	53mm (with terminal cover 63mm)
connection	screws
housing	themoplastic according to UL-94, V-O classification
protection	IP52 (inside of instrument)   IP00 (terminals)   IP20 (with terminal cover)
	option: AKIP54 = IP54 with additional rubber
	AKIP65 = IP65 with additional rubber and plexiglass
weight	ca. 0,10... 0,45 kg

**Connection / dimensions**



L1 ——— +  
N ——— -

Input: direct, max. 60A DC (48x48 = max.30A)



+ ———  
- ———

with shunt e.g. 10A/60mV DC

