

DC analogue ammeters

Indicators and transducers



amper_028.eps

Compliance with standards

- IEC 60051-1
- IEC 60414
- NF EN 60051-1
- DIN 43780
- NF C 42-010
- VDE 0410
- BS 5448
- BS 89

Function

SOCOMEC **magnetoelectric ammeters** measure the direct current of any electrical circuit. They are embedded in the front panel of cabinets, enclosures or other equipment.

Characteristics

- Pointer deflection: 90°.
- Insulating voltage: 660 V.
- Dielectric quality 2 kV - 50 Hz - 1 mn.
- Consumption: connection on shunt 100 mV = 1 mA.
- Internal resistance: 1000 Ω/V.
- Connection: screw or fast-on lugs.
- Use on 100 mV shunt: pre-calibrated for 2.5 mm^2 connection over a distance between the shunt and the 0.5 to 2.5 m indicator.
- Interchangeable guided dial (needle protection).

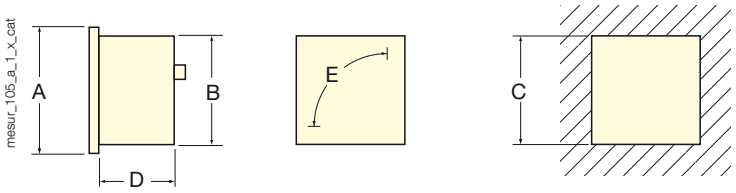
Composition of the range

Case	DIN 48-72-96		ROTEX 72	
Pointer deflection	90°		90°	
Connection	direct	On shunt 100 mV	direct	On shunt 100 mV
Rating				
0 - 100 µA	•			
0 - 10 A	•	•	•	•
0 - 15 A	•		•	
0 - 25 A	•	•	•	•
0 - 40 A		•		•
0 - 50 A	•			
0 - 100 - 600 A		•		•

socomec Innovative Power Solutions

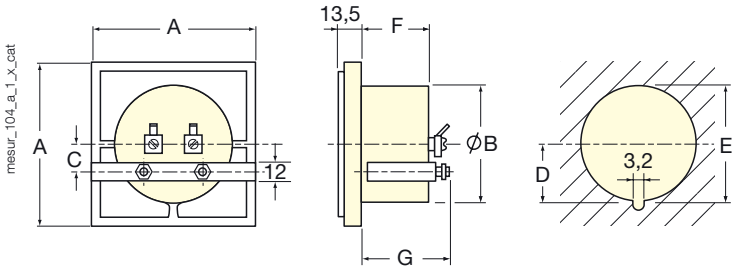
Case

DIN



Pointer deflection: 90°				
A	**B**	**C**	**D**	**E**
48 x 48	44.5 x 44.5	$45^{+0.6}$	59	38
72 x 72	66.5 x 66.5	$68^{-0.7}$	58	65
96 x 96	89 x 89	$92^{-0.8}$	58	100

ROTEX



Pointer deflection: 90°						
A	**B**	**C**	**D**	**E**	**F**	**G**
72 x 72	54.5	11	28.5	$56^{\pm0.5}$	34.5	50.8
96 x 96	68	21.6	35.5	$70^{\pm0.5}$	34.5	50.8

References

Direct connection				
	DIN 48x48 D48C90-A	**DIN 72x72 D72C90-A**	**DIN 96x96 D96C90-A**	**ROTEX 72x72 R72C90-A**
Rating	**Reference**	**Reference**	**Reference**	**Reference**
0 - 100 µA	192E **1201**			
0 - 10 A	192E **1227**	192E **1327**	192E **1427**	192F **1327**
0 - 15 A		192E **1361**		192F **1328**
0 - 25 A	192E **1229**			192F **1329**
0 - 50 A		192E **1365**		

Connection on shunt 100 mV(1)				
	DIN 48x48 D48C90-A	**DIN 72x72 D72C90-A**	**DIN 96x96 D96C90-A**	**ROTEX 72x72 R72C90-A**
Rating	**Reference**	**Reference**	**Reference**	**Reference**
0 - 10 A		192E **3327**	192E **4427**	192F **3327**
0 - 25 A		192E **3329**	192E **4429**	192F **3329**
0 - 40 A	192E **2230**	192E **3330**		
0 - 60 A	192E **2231**		192E **4431**	
0 - 100 A	192E **2232**	192E **3332**	192E **4432**	
0 - 150 A	192E **2233**		192E **4433**	
0 - 250 A	192E **2234**		192E **4434**	
0 - 400 A			192E **4435**	
0 - 600 A				192F **3336**

(1) To order 'measuring shunts' voir catalogue général.

Accessories

	DIN 48x48 D48A90-A	**DIN 72x72 D72A90-A**	**DIN 96x96 D96A90-A**	**ROTEX 72x72 R72A90-A**
	Reference	**Reference**	**Reference**	**Reference**
Terminal protection cover		192Z **1000**	192Z **1011**	
2 safety caps	192Z **1016**	192Z **1016**	192Z **1016**	192Z **1016**
Mounting bracket and screws	179Z **5000**	179Z **5010**	179Z **5010**	179Z **5020**
Gasket	192Z **0007**	192Z **0008**	192Z **0009**	192Z **0011**
Replacement glass	179Z **2000**	179Z **2010**	179Z **2020**	179Z **2030**