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DC analogue voltmeters

Indicators and transducers



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 **magnetic-electric voltmeters** measure the DC voltage on 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: internal resistance 1000 Ω/V.
- Any voltage above 600 V requires a voltage divider.
- Connection: screw or fast-on lugs.
- Interchangeable guided dial (needle protection).

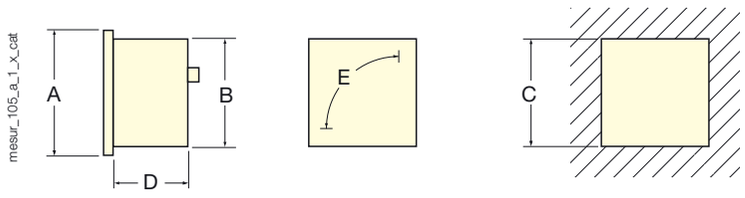
Composition of the range

Case	DIN 48-72-96	ROTEX 72
Pointer deflection	**90°**	**90°**
Rating		
0 - 25 - 250 V	•	•
0 - 400 - 500 V	•	•

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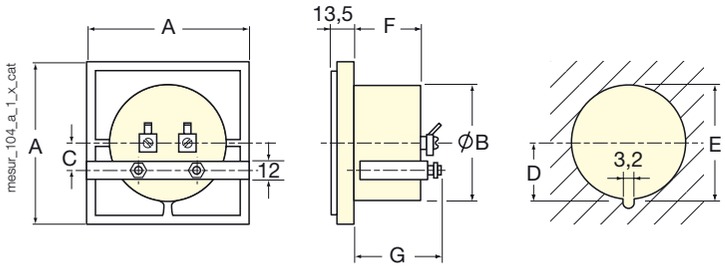
Case

DIN



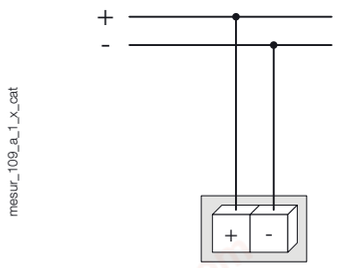
Pointer deflection: 90°				
A	**B**	**C**	**D**	**E**
48 x 48	44.5 x 44.5	$45^{+0.6}$	59	38
72 x 72	66.5 x 66.5	$68^{-0.7}$	58	65
96 x 96	89 x 89	$92^{-0.8}$	58	100

ROTEX



Pointer deflection: 90°						
A	**B**	**C**	**D**	**E**	**F**	**G**
72 x 72	54.5	11	28.5	$56^{\pm 0.5}$	34.5	50.8

Connections



References

	Direct connection			
	DIN 48x48 D48C90-V	**DIN 72x72 D72C90-V**	**DIN 96x96 D96C90-V**	**ROTEX 72x72 R72C90-V**
Rating	**Reference**	**Reference**	**Reference**	**Reference**
0 - 25 V	192G **5012**	192G **5112**		192G **6112**
0 - 40 V	192G **5013**	192G **5113**	192G **5213**	192G **6113**
0 - 60 V	192G **5014**	192G **5114**	192G **5214**	192G **6114**
0 - 100 V	192G **5015**		192G **5215**	192G **6115**
0 - 150 V	192G **5016**	192G **5116**	192G **5216**	192G **6116**
0 - 250 V		192G **5117**		
0 - 400 V				192G **6119**
0 - 500 V		192G **5120**	192G **5220**	

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**