

# Computer Max-f

## Fast power factor regulator (Static capacitor banks)



### Descripción

The **computer max-f** series of regulators is within the fast regulator range, with a response time from 40 ms, adapted to real time compensation requirements.

### Main Features:

- Shows by display:  $\cos \varphi$ , voltage, current, THD( $I$ ) and, besides, records in memory maximum values for voltage and current.
- Provides the “phase selection” function, that allows the user choosing the power line phase where the measuring current transformer (CT) has been placed in allows viewing in display the variation of  $\cos \varphi$ , line current and THD( $I$ ), when manually connecting or disconnecting capacitor steps.
- Indication by display or through output of following alarm conditions: Compensation failure, Over-compensation, Over-voltage, Over-current, C.T. not connected or open, Line current below measurable value.

### Applications

The **computer Max-f** system has been designed to compensate installations that have a special load typology and require real time compensation, such as welding units, cranes, lifts and lifting equipment, smelters, hospitals, automotive industry or any other sector/ unit that requires a real time compensation.

### Características técnicas

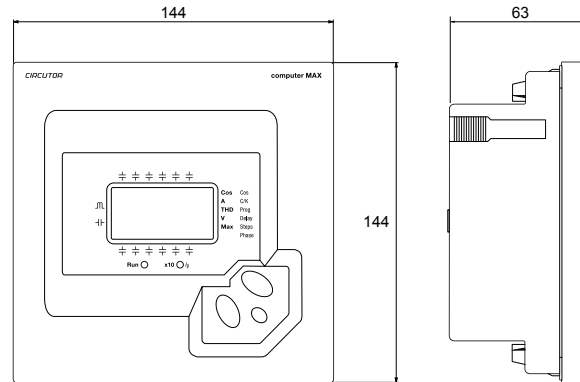
<b>Voltage measurement circuit</b>	Power Supply	230, 400, 480 V <sub>a.c.</sub> (according to type)
	Tolerance	-10...+15 %
	Consumption	4 V·A ( <b>max 6</b> ) - 6 V·A ( <b>max 12</b> )
	Frequency	45 ... 65 Hz
<b>Current measurement circuit</b>	Measuring voltage	230, 400, 480 V <sub>a.c.</sub> (according to type)
	Measuring current	Transformer $I_n$ / 5 A +20%
<b>Outputs</b>	Number	6 ( <b>max-f 6</b> ) - 12 ( <b>max-f 12</b> )
	Maximum voltage	60 V <sub>d.c.</sub>
	Maximum current	0,2 A
<b>Alarm outuput</b>	Alarm	Compensation failure, Over-compensation, Overvoltage, Over-current, C.T. not connected or open, Line current below measurable value
<b>Build features</b>	Operating temperature	-10 ... +50 °C
	Assembly	Panel
	Dimensions	144 x 144 mm
	Connection	Connection strip
	Protection Degree	IP 40 (frontal) / IP 30 (rear)
<b>Performance</b>	Measure electric parameters	Voltage, current, THD( $I$ ), and maximum values of $U$ and $I$
	“Phase selection” function	Selection of the power line phase where the C.T. is placed
	Integrated control system	FCP / 4 quadrants
	Connection programs	1.1.1.1 / 1.2.2.2 / 1.2.4.4 / 1.1.2.2 / 1.2.4.8 / 1.1.2.2
	Test Function	Cos $\varphi$ Correction Test & Harmonic Resonance Test
	Connection delay Tr	40 ms ... 2 s
	Safety delay Ts	40 ms ... 2 s
<b>Standards</b>	IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-11	

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### References

Type	Code	Power-Supply	Num. Steps
Computer Max-f 6	R10851	400 V <sub>c.a.</sub>	6
Computer Max-f 12	R10862	400 V <sub>c.a.</sub>	12

### Dimensions



### Connections

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