

Extension module

Sigma extension module

Sigma Extens

Description :



Extension module for Sigma rack.

A Sigma Extens module permits to add up to 4 option cards ranging from:

- ▶ 24V // impulse card (1 output: minute or second).
- ▶ Afnor card (3 outputs).
- ▶ ASCII card (3 outputs: RS232/422/485).
- ▶ Relay card (3 programmable relays: 1 SPDT and 2 SPNO).
- ▶ Afnor input card.

Technical features:

- ▶ Power supplies: 110-230VAC or 36-72VDC or 24VDC.
- ▶ RS485 communication link with Sigma master clock.
- ▶ Power LED.
- ▶ Communication LED (between Sigma and this extension module).
- ▶ Dimensions: H44 x L483 x D200mm (19" 1U).
- ▶ Mounted into a 19" rack cabinet (not supplied).
- ▶ Operating temperature: -10 to +50°C.
- ▶ Weight: 2 Kg.

Power values on 24V // impulse outputs : see opposite chart.

The Sigma Mod (110-230VAC) is limited to one impulse option card and to 1A output maximum.

Two modes are possible:

- 1) 24V // impulse output of Sigma (0.5A)
+ impulse option card set to 0.5A
Total: 1A
- 2) 24V // impulse output of Sigma not used
+ impulse option card set to 1A
Total: 1A

For 24VDC model, there is no power output limit.

NB : Each 24V // impulse card can be set by DIP switch to 0.5 or 1A. This value will define the limit before the activation of an overcharge alarm on the corresponding output.

Remark : Only one Sigma Extens per Sigma Mod.

		Power supply / version	
		110-230VAC	24VDC
		35W	-
		50W	36-72VDC
		Sigma Mod	
		Consumption	Power
		24V// impulse	
		1A total 0.5A cpu+0.5A option or 1A option	35W
		4.5A total 0.5A cpu + 4x1A option	-
		1.5A total 0.5A cpu+2x0.5A op. or 0.5A cpu + 1A op.	50W
		Sigma Extens	
		Consumption	Power
		24V// impulse	
		1A total 2 x 0.5A option or 1A option	35W
		4A total 4 x 1A option	-
		1.5A total 3 x 0.5A op. or 0.5A op+1A op.	50W

Applicable norms:

- ▶ NF EN 61000-3-2: EMC directive.
- ▶ NF EN 61000-3-3: EMC directive.
- ▶ 73/23/CEE/89/336: Low voltage.

References

- ▶ SIGMA Extens 110-230VAC 907 480
- ▶ SIGMA Extens 24VDC 907 481
- ▶ SIGMA Extens 36-72VDC on request



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