

PARAMETER	COND.	VALUE / SPECIFICATION
TERMINAL CAPACITIES (cont.)		
Pin header connector		2x 26 Pin, Dual row, 2.54 pitch
PROTECTION		
ESD HBM Class 0		
Contact discharge: ±4kV		Air discharge: ±8kV
Supply input over current protection		Internal Fuse 20A / Relay Output / External Fuse required / Digital Output
Overload, short circuit, ESD		Signal Input
Overvoltage, ESD		
Pin header connector		ESD
Current +5V, +3,3V		
total 200mA, resettable fuse		
ELECTRICAL CHARACTERISTICS		
Supply voltage (Absolute Maximum)	24 V range	20,4 V – 30,0 V
Signal input low level	24 V range	0V–7,2V
Signal input high level	24 V range	18V–26,4V
Analog signal input	24 V range	0V–26,4V
Signal input current	max. current	< 3 mA
Logic "0" level	@ pin header	0V–1,5V
Logic "1" level	@ pin header	3V–5,5V
Signal output low level	24 V range	0V–4,8V
Signal output high level	Vin – 10 %	Signal output – PWM functionality
	Duty cycle	5% - 95%
Relay output, Contact rating	Resistive	6A250VAC/
	Load	30VDC
Common Relay terminal	max. current	6A
Galvanic insulation	coil to contact	3000 VAC
	1 min	Relay ON in case of PWM functionality
	Duty cycle	>30%
LED SIGNALIZATION		
Power LEDs coding		Color of power LED
input voltage out of range		24V orange
only USB powered		24V orange
input voltage 20.4V – 30,0V		24V green
input voltage < 7V		LEDs off

PHYSICAL DIMENSIONS

