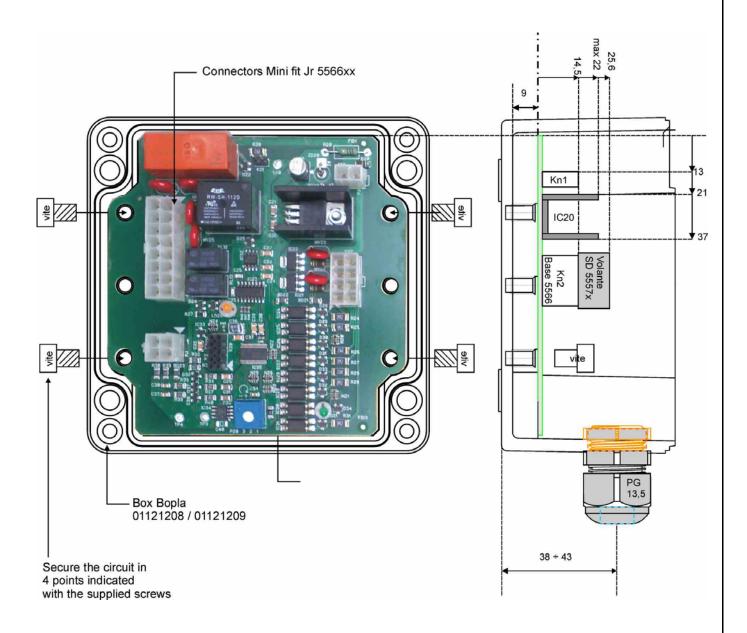
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CPU

Microcontroller module for control and protection





Features:

	Description	note
CPU	Microcontroller with 16Kb Flash, 1Kb RAM, ADC, Serial, Watch dog	
	- The firmware can be downloaded via PC programming tool	
Data memory	1Kb Flash memory data protected by checksum	
Trimmer	N° 2 equipped with the initials CS are used to set the timing	
Push-button	It is identified by the initials PCB, it is used to reset the bistable relay	
	start-up phase.	
LED signals on	- Power ON (power supply and microcontroller working ok)	
PCB.	- Activation status of the relays (relay commanded)	
	- State of the active inputs	
Serial	Connection for download the firmware via tool	
comunications	Serial communication for remote HMI device or expansion	
Programming	The firmware is written in C, C + +	
language		
Identification	According to the ns. standard with 8-character alphanumeric code to:	
	P.N. = part number	
	S.N. = serial number	
Supply	24Vdc (18 to 32) it protected against reverse polarity	
climate	Operating Temperature -10 ° C to 60 ° C	
conditions	Humidity 90%, provided that no condensation	

Ingressi/ Uscite gestiti

	Description	Note
Digitali Inputs	N° 4 from external PNP	
	N° 2 I / O Input + output PNP static flow rate (0.5 A) operated by Sw	
	(also suitable for counting inputs at frequencies up to 5kHz)	
Analog Inputs	N° 2 per trasduttori con range 0÷10V, risoluzione 10Bit,	
	all'occorrenza convertibili da Sw in ingressi digitali	
	N° 1 by bistable relay with 2 changeover contacts 5 A resistive load	
	N° 2 from monostable relay 1 changeover contact 5 A resistive load	
Relays output	N° 1 from monostable relay 1 changeover contact 5 A resistive load	
	Damper Diode on all relay contacts	
Connections	Using Mini-fit connectors with an identifying symbol on the PCB	

Safety features

- Watch dog, in case of failure it stops and tries to restore the proper functioning of the microcontroller.
- Implementation of the data checksum switched on and during operation

Applications:

Protection and control, particularly suitable for industrial vehicles, construction machinery and agricultural machinery.

For more information please contact us at our headquarters:

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