CanCom 8 DIGITAL

KRAFTMODUL V1 CE

JÖRGENSEN

Specifikation	Specification		
Matningsspänning(Can)	Power supply (logic)	10-30	VDC
Matningsspänning	Power supply	10-48	VDC
Spänningsrippel	Voltage ripple	<3	V t-t
CAN protokoll	CAN protocol	2.0B	150Kbit
CAN drivkrets	CAN driver	82C251	Philips
I/O adress	I/O address	1-25	ID
Modulkontaktdon	Module connectors	Han R23	EPIC/Harting
Kabelkontaktdon	Cable connectors	H-BE 24	EPIC/Harting
Operativsystem	Operating system	CanCom/CanPro	
CPU	CPU	98AZ60	Motorola
Flashminne	Flash memory	60	kB
Kapsling	Housing	Grey	Aluminium
Buss uppdateringstid	Bus update time	50	ms
Tid mellan inläsningar	Input capture	50	ms
Egenförbrukning	Internal consumtion	60	mA
Vikt	Mass	1100	g
Omgivningstemp.	Operating temp.	-30 - +50	Celcius
Mått (HxLxB)	Size (HxLxW)	110x144x58	mm
IP-klass	IP class	IP 65-67	

Utgångar	Output		
Antal utgångar	Number of output	8	Digital
Belastbarhet	Maximum load	15	A/group*
Övertemp skydd.	Overtemp protected	+80	Celcius
Återställning övertemp	Reset protection	interrupt power	
Överströmsskydd	Over current protection	>15	A
Återställning överström	Reset protection	logic condition	
Aktiveringstid	I/O response time	25	ms
		* Max 60A totally for the module	

EMC: 72/245/EEC, 2009/19/EC, (2004/104/EC, 2005/83/EC, 2006/96/EC)

		UN ECE Regulation No. 10	
Emission	CISPR 25	30-1000MHz	Broad, Narow
Immunitet		2004 / 104 / EC	
ISO 11452-4	Conducted immunity	60mA /80%	20-200MHz
ISO 11452-2	Radiated	30V/m 80%	200-2000MHz
ISO 11452-2	Radiated immunity PM	30V/m	800-2000MHz
ISO 7637-2	(12V)	Pulse	1,2a,2b,3a,3b,4

Group 1
Power in

From CPU

T1   T2

Power out 1   Power out 2

GND
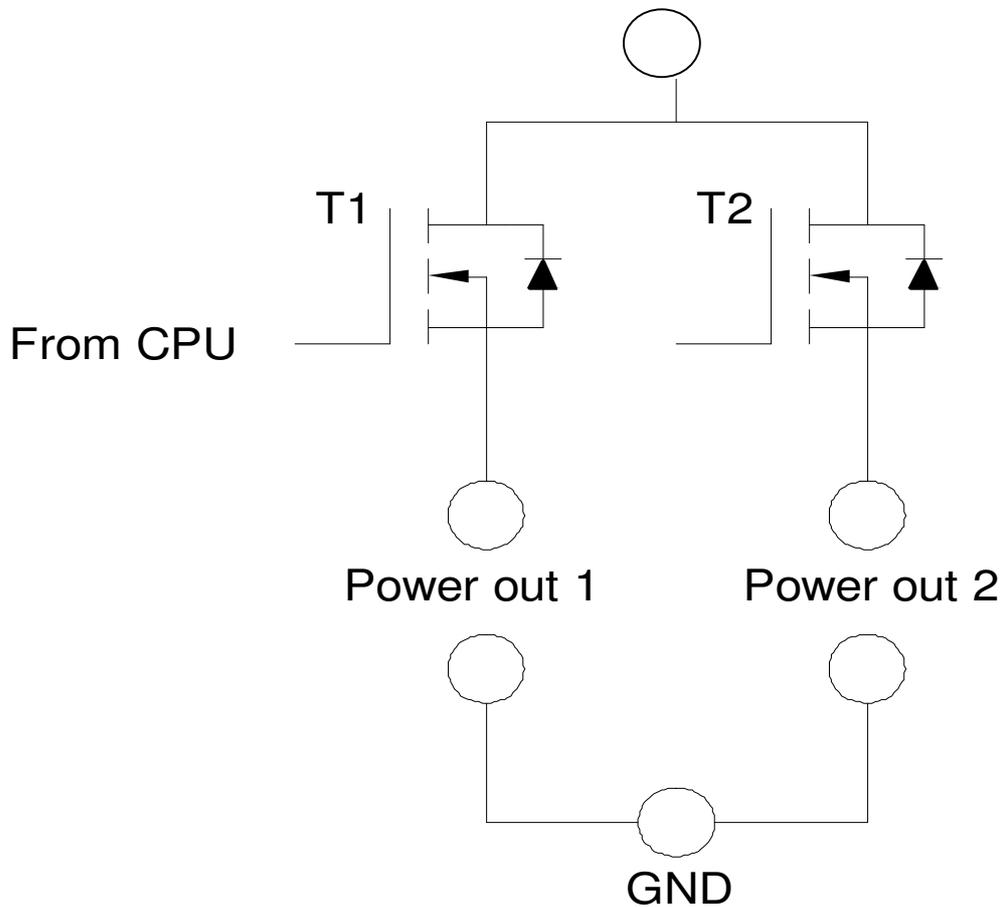
Pin 1: POW +		Pin 13: POW +
Pin 2: OUT 1	1 ● ● 13	Pin 14: OUT 5
Pin 3: GND 1	2 ● ● 14	Pin 15: GND 5
Pin 4: OUT 2	3 ● ● 15	Pin 16: OUT 6
Pin 5: GND 2	4 ● ● 16	Pin 17: GND 6
Pin 6: POW GND	5 ● ● 17	Pin 18: POW GND
	6 ● ● 18	
Pin 7: POW GND	7 ● ● 19	Pin 19: POW GND
Pin 8: GND 4	8 ● ● 20	Pin 20: GND 8
Pin 9: OUT 4	9 ● ● 21	Pin 21: OUT 8
Pin 10: GND 3	10 ● ● 22	Pin 22: GND 7
Pin 11: OUT 3	11 ● ● 23	Pin 23: OUT 7
Pin 12: POW +	12 ● ● 24	Pin 24: POW +

F

Overcurrent protection is 15 Amps per group. This will turn off this group of outputs.
Both outputs condition should be 0 to reset the overcurrent protection.

The module has dual power. The logic is fed through the 4-pin Hirschmann connector (+, -, CH, CL) while
the power supply is fed through the pins in respective group (POW +, POW GND, see above).

Port simulator:
8 flags can be sent out on the CAN-bus for analysis, or for use as a condition.

To activate the function, the module should have the comment ¤SIM,mm,ff
mm is the simulated CAN-bus ID and ff is the flag (and 7 more flags).
-Always state two numbers for ID and Flag, for example ID1 Flag 5 is written ¤SIM,01,05
In the example below:
¤SIM,20,28 - flag 28-35 will be sent out on ID20 as port 1-8.
NOTE: SIM must be in capital letters.

To be able to use the ports as conditions, a module must be added to the module configuration, in this example ID 20. Set the required ports as inputs and enter desired port comments.

The simulated ID can be used to send out information about overtemperature protection being activated, for example to another module on the bus.

Installation instructions:

Assembly:
The module can be assembled in any optional position.
When installing the module, the casing of the module shall
have good electrical contact with the base frame of the
vehicle.

Electrical installation:
Secure the module with maximum 16 Ampere fuse.
You have to use an external fuse.
The connectors rated current is 16 Amps/pin
The module has a built-in CAN termination.
Recommended cable diameter is 2,5mm^2
Maximum cable length at 12V is 2 meters.
Maximum cable length at 24V is 4 meters.

Other:
The module is hermetically moulded in PUR.
The enclosure is made of powder coated aluminium.
The module enclosure is potential free.

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Declaration of Conformity according to the EMC directive 2004/108/EC

Försäkran om överensstämmelse enligt EMC direktivet 2004/108/EC

Type approval test according to council directive 72/245/EEC last amended by 2009/19/EC (includes 2004/104/EC, 2005/83/EC and 2006/96/EC) and type approval test according to UN ECE Regulation No. 10 Rev3:2008.

By signing this document the undersigned declares as manufacture that the equipment in question complies with the protection requirements of directive(s)

Genom att underteckna detta dokument försäkrar undertecknad såsom tillverkare att angiven utrustning uppfyller skyddskraven i rubricerade direktiv

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CanCom **Digital Power module**

CISPR25	**Radiated RF emission 30-1000 MHz**
ISO 11452-4	**Conducted immunity 20-100 MHz 60mA/80%**
ISO 11452-2	**Radiated immunity 200-2000 MHz 30V/m 80%**
ISO 11452-2	**Radiated immunity PM 800-2000 MHz 30V/m**
ISO 7637-2 puls 1a,1b,2,3a,3b,4	**Conducted transients on power lines**

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