



Micro PLC CAN





Technical Data

Construction	Standard Relay
Mounting	Socket
Connector	FASTON Terminal® 6.3 mm FASTON Terminal® 2.8 mm
Housing Dimensions	30 x 30 x 40 mm
Weight	30.20 g
Ambient Temperature	-40°C up to 85°C
Protection Class	IP53
Operating Voltage U_B	9 – 30 V DC
Current Consumption	25 mA
Protection	

Processor

Manufacturer	Freescale
Processor Type	S9S08DZ60
Clock Frequency	20 MHz
Flash	60 K
Ram	4 K
EEPROM	2 K

Interfaces

CAN-bus

According to ISO 11898-2/3	Low/high-Speed
According to CAN 2.0A	11-bit standard address identifier
According to CAN 2.0B	29-bit extended address identifier
Baud Rate	20-kBit/s – 500-kBit/s Default 125-kBit/s

Technical Examination

EMV	2006/28/EG; DIN 40839
E1 Approval Number	03 6211

Possible Inputs and Outputs

Digital Inputs	3
Analog Inputs	3
Digital Outputs	3



Technical Data Inputs and Outputs

Characteristics of Digital Inputs	Standard	30 V
Input Voltage	0 V...U _B	0 V...U _B
Switch-On	7 V	16 V
Switch-Off	4 V	12 V
Input Resistance	22.6 kΩ	
Input Frequency	Up to 100 Hz / optional to 10 kHz	

Characteristics of Digital Outputs 87 87a

Load Current	5.5 A one channel	3.75 A/channel with two channels
Internal Current Sense		
Overload Resistance		

Characteristics of Relay Output

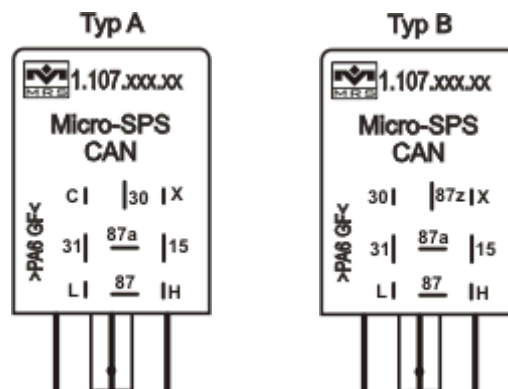
Load Current	15 A normally open	10 A normally close
Overload Resistance		

Characteristics of Analog Inputs	Standard	30 V
Input Voltage	0 V... 11.3 V	0 V... 33.68 V
Resolution	12-bit	
Input Resistance	22.6 kΩ	
Pull-Up Resistor	Optional 10k possible	
Pull-Down Resistor	Input frequency	Up to 100 Hz / optional to 10 kHz

Programming

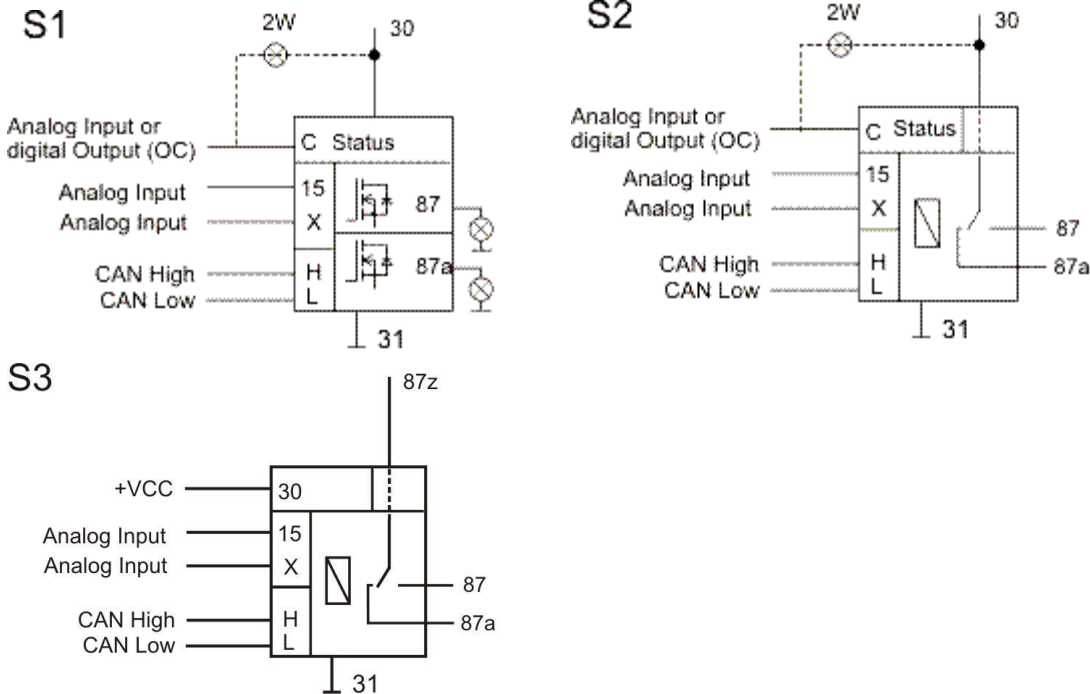
Interface	CAN-bus
Software	MRS Developers Studio with built-in function library, similar programmable like FUP. Customized program components can be integrated into "C-code". Program memory is sufficient for about 300 simple components.

Design





Connection Diagram

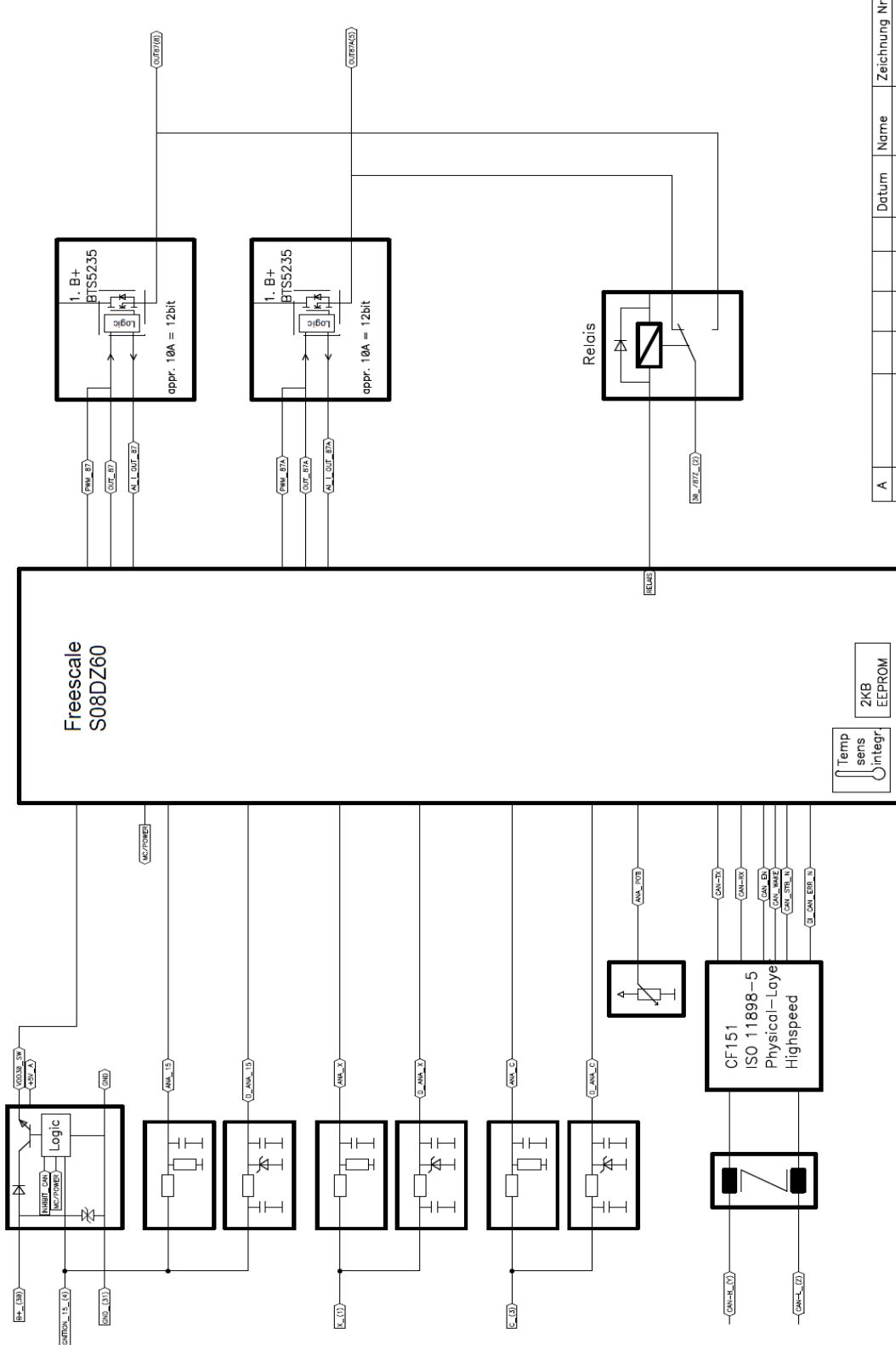


Connection Assignment

Pin	Signal	Pin Description
01	X	Analog input 0-11 V
02	30 – Vcc	Operating voltage 9 - 30 V
03	C	Analog input 0-11 V or Open-collector-output-(programmable)
04	KL15	Analog input 0-11 V
05	87a	Digital output (HSD) – Relay NC contact
06	31 – GND	Mass
07	CAN-H	CAN-high
08	87	Digital output (HSD) – Relay NC contact
09	CAN-L	CAN-low



Connection Assignment



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						Doe		Blatt 8	

Datasheet
Micro PLC CAN

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Order Information

Designation	Execution	Connection diagram/ Housing/Baseplate	Order Number
Micro PLC CAN 12 V	Relay, two-way contact	S2/G2/T	1.107.110.00E
Micro PLC CAN 12 V	Relay, two-way contact	S3/G2/T	1.107.112.00E
Micro PLC CAN 24 V	Relay, two-way contact	S2/G2/T	1.107.210.00E
Micro PLC CAN 24 V	Relay, two-way contact	S3/G2/T	1.107.212.00E
Micro PLC CAN 9-30 V	2x High side Driver PWM OUT	S1/G2/T	1.107.310.001E

Accessories

Designation	Order Number
Programming Tool MRS Developers Studio	1.100.100.09
Socket	1.017.002.00
Cable Set for Micro PLC CAN	109446
FASTON Terminal® 6.3 mm 1.5-2.5 mm ²	103064
FASTON Terminal® 6.3 mm 1.0 mm ²	102355
FASTON Terminal® 2.8 mm 0.5-1.0 mm ²	105292
Bracket for housing	1.017.080.00
PCAN-USB Interface	105358