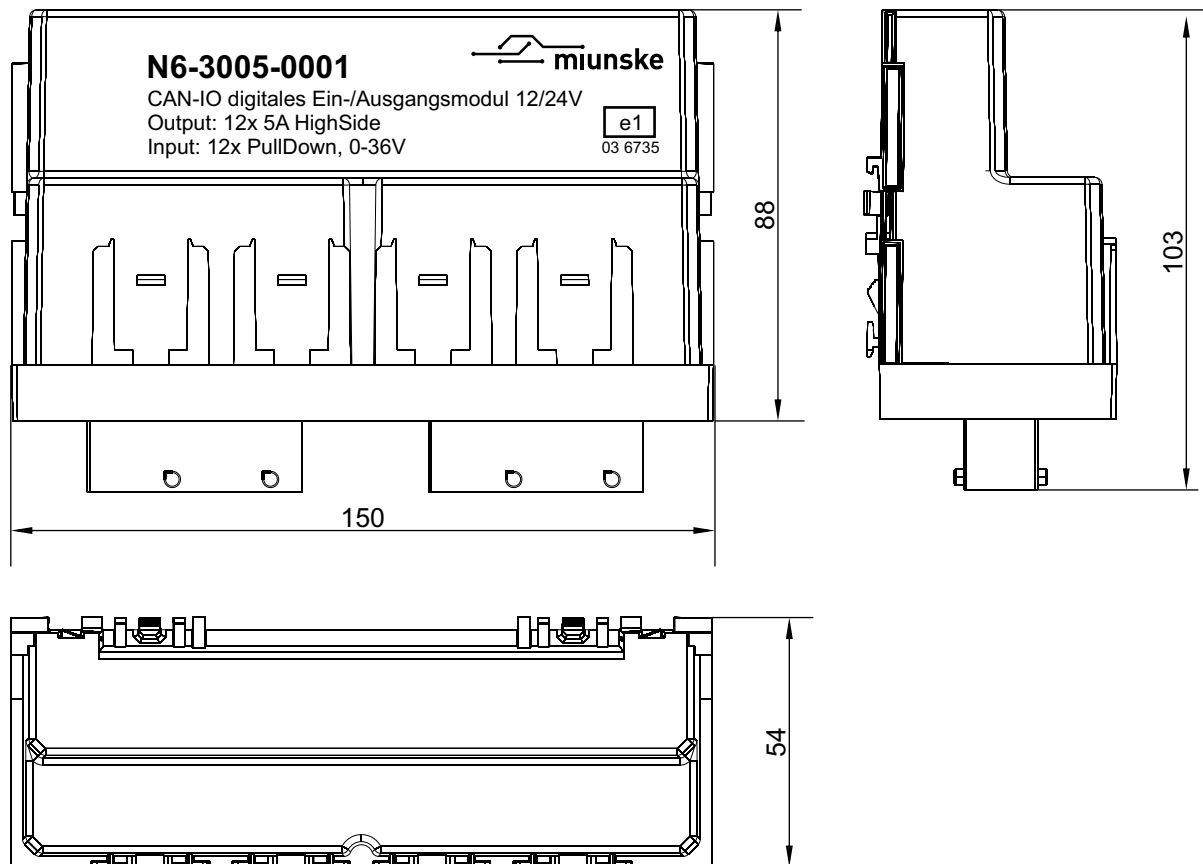


CAN-IO5-node, 12 x output high side, 12 x input pulldown

Technical data:

Rated voltage:	12 V / 24 V
Operating voltage:	9 ... 36 V
Quiescent current:	38 mA bei 12 V
Controller:	Freescale MC9S08DV32
CAN:	2.0 A / B (ISO 11898)
• Baud rate:	100 kbit - 1 Mbit
• Identifier:	11 Bit / 29 Bit
• Transceiver:	TJA1040
Output:	12 x 5 A high side, 4x PWM output with 1 kHz configurable, 2x PWM output with 2-1000 Hz configurable, 6x output with current measurement from 0,1 - 25 A)
Input:	12x digital pulldown / 8x analog & 4x digital
Analog-measurement range:	0 ... 30 V - 12-Bit (optional project specific measurement range)
Fuse (recommended):	2x 25 A
Permissible temperature range:	- 40 °C to 85 °C
Weight:	approx. 735g shedded (IP67), approx. 150g with cover
Protection:	Overload protection, short circuit protection, thermal shutdown
Protection class:	IP 67 / IP54
Housing:	plastic PA6.6, shedded/ lid screwed
Terminals:	2x 16 connector for junior-power-timer; Tyco 1-0963217-1; 2-0963217-1; approx. with seal
Mounting:	plug in screw connection, top-hat rail mounting
Features:	parameterizable standard functions (start-/stop delay, impulse extention, blink, analog threshold, PWM) per software, optional free programmable

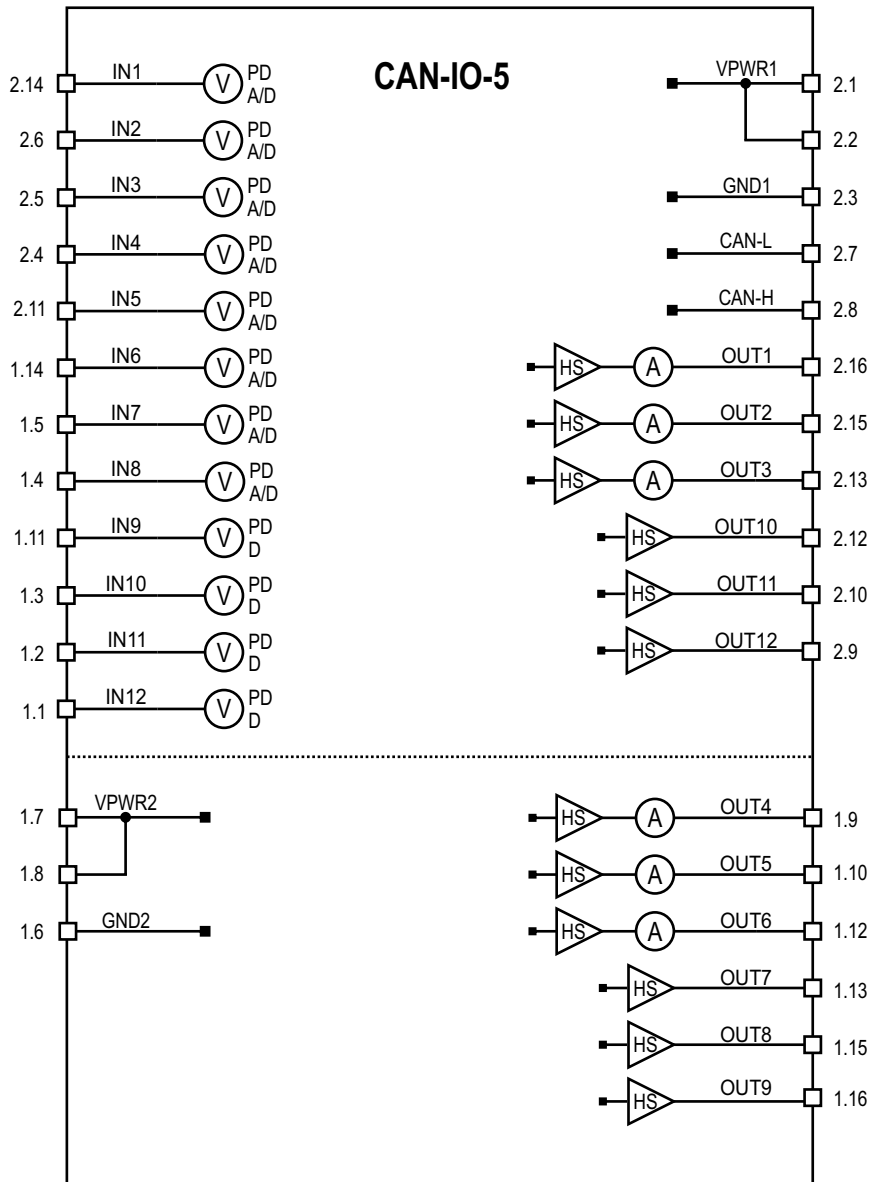
Order number: N6-3005-0001



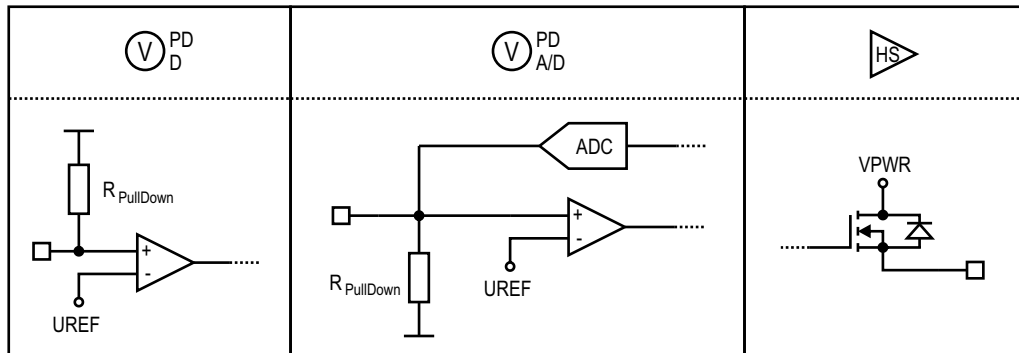
CAN-IO5-node, 12 x output high side, 12 x input pulldown

pinout und functions

Order number: N6-3005-0001



inputs and outputs



CAN-IO5-node, 12 x output high side, 12 x input pulldown

overview

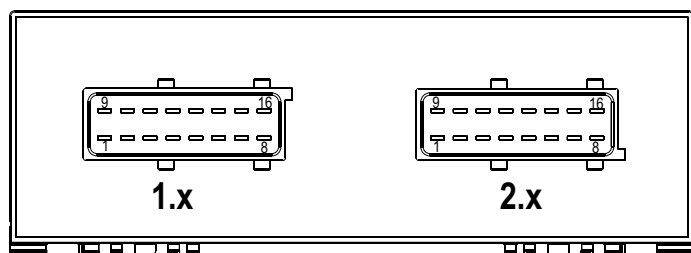
Order number: N6-3005-0001

inputs	pin	R_{IN}	typ	$U_{MESS,Analog}$	$U_{MESS,Digital}$	ΔU_{MESS}	A_{ADC}
IN1	2.14	3,5 k Ω PullDown, > 10 M Ω PullUp	A/D	0 - 36 V	Low < 3,5 V < High	8,8 mV / 1 bit	12 bit
IN2	2.6	3,5 k Ω PullDown, > 10 M Ω PullUp	A/D	0 - 36 V	Low < 3,5 V < High	8,8 mV / 1 bit	12 bit
IN3	2.5	3,5 k Ω PullDown, > 10 M Ω PullUp	A/D	0 - 36 V	Low < 3,5 V < High	8,8 mV / 1 bit	12 bit
IN4	2.4	3,5 k Ω PullDown, > 10 M Ω PullUp	A/D	0 - 36 V	Low < 3,5 V < High	8,8 mV / 1 bit	12 bit
IN5	2.11	3,5 k Ω PullDown, > 10 M Ω PullUp	A/D	0 - 36 V	Low < 3,5 V < High	8,8 mV / 1 bit	12 bit
IN6	1.14	3,5 k Ω PullDown, > 10 M Ω PullUp	A/D	0 - 36 V	Low < 3,5 V < High	8,8 mV / 1 bit	12 bit
IN7	1.5	3,5 k Ω PullDown, > 10 M Ω PullUp	A/D	0 - 36 V	Low < 3,5 V < High	8,8 mV / 1 bit	12 bit
IN8	1.4	3,5 k Ω PullDown, > 10 M Ω PullUp	A/D	0 - 36 V	Low < 3,5 V < High	8,8 mV / 1 bit	12 bit
IN9	1.11	4,7 k Ω PullDown, > 10 M Ω PullDown	D	0 - 36 V	Low <= 1,75 V, High >= 3,0 V	-	-
IN10	1.3	4,7 k Ω PullDown, > 10 M Ω PullDown	D	0 - 36 V	Low <= 1,75 V, High >= 3,0 V	-	-
IN11	1.2	4,7 k Ω PullDown, > 10 M Ω PullDown	D	0 - 36 V	Low <= 1,75 V, High >= 3,0 V	-	-
IN12	1.1	4,7 k Ω PullDown, > 10 M Ω PullDown	D	0 - 36 V	Low <= 1,75 V, High >= 3,0 V	-	-

outputs	pin	typ	pwm	f_{PWM}	I_{MESS}	ΔI_{MESS}	A_{ADC}	I_{MAX}
OUT1	2.16	HighSide	ja	2-1000 Hz	ja	0,1 A / 1 bit	12 bit	5 A
OUT2	2.15	HighSide	ja	2-1000 Hz	ja	0,1 A / 1 bit	12 bit	5 A
OUT3	2.13	HighSide	ja	1000 Hz	ja	0,1 A / 1 bit	12 bit	5 A
OUT4	1.9	HighSide	ja	1000 Hz	ja	0,1 A / 1 bit	12 bit	5 A
OUT5	1.10	HighSide	ja	1000 Hz	ja	0,1 A / 1 bit	12 bit	5 A
OUT6	1.12	HighSide	ja	1000 Hz	ja	0,1 A / 1 bit	12 bit	5 A
OUT7	1.13	HighSide	-	-	-	-	-	5 A
OUT8	1.15	HighSide	-	-	-	-	-	5 A
OUT9	1.16	HighSide	-	-	-	-	-	5 A
OUT10	2.12	HighSide	-	-	-	-	-	5 A
OUT11	2.10	HighSide	-	-	-	-	-	5 A
OUT12	2.9	HighSide	-	-	-	-	-	5 A

connector configuration

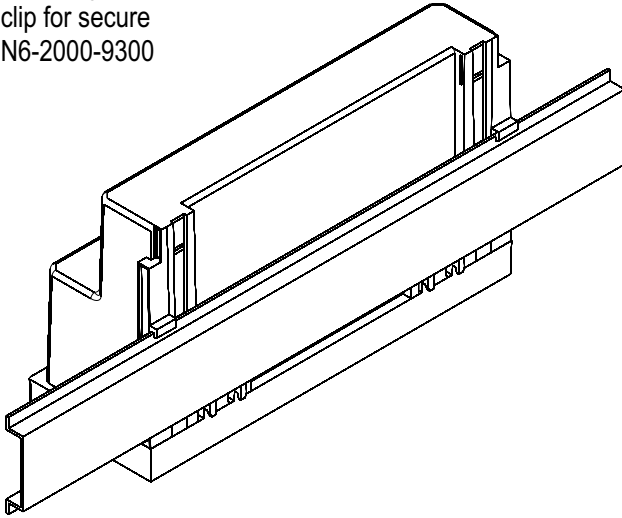
function	pin	U_{IN}
VPWR1	2.1, 2.2	9 - 36 V
VPWR2	1.7, 1.8	9 - 36 V
GND	2.3, 1.6	-
CAN-H	2.8	-
CAN-L	2.7	-



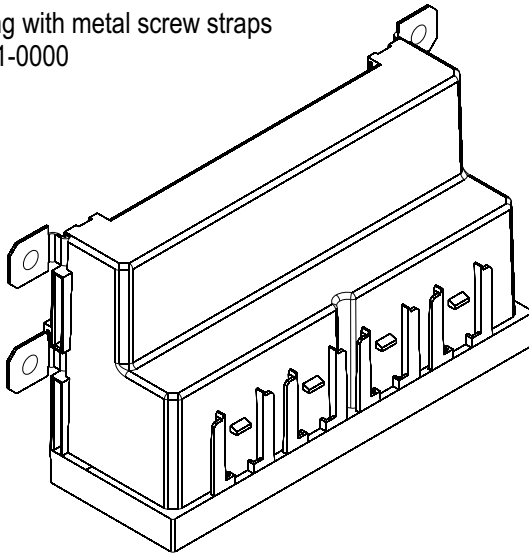
CAN-IO5-node, 12 x output high side, 12 x input pulldown

Mounting options

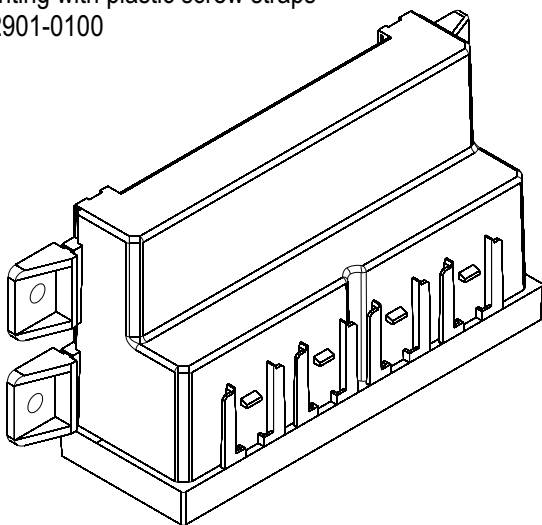
mounting for top-hat rail with clip for secure
N6-2000-9300



mounting with metal screw straps
K9-2901-0000

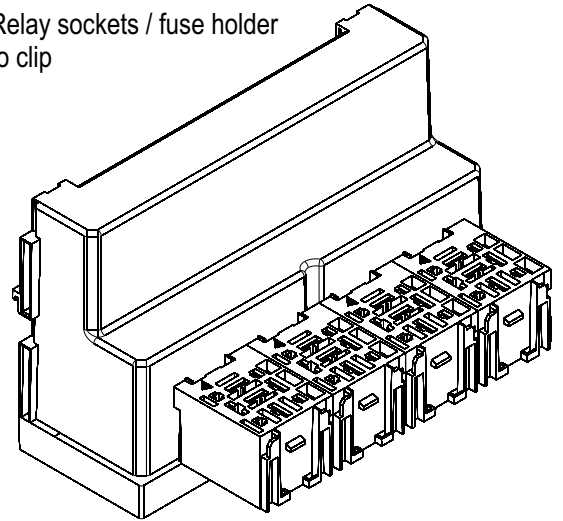


mounting with plastic screw straps
K9-2901-0100

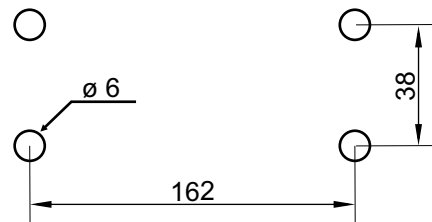


Order number: N6-3005-0001

Relay sockets / fuse holder
to clip



hole matrix



hole matrix

