

1 = OPTO_OUT1+	max current: 600 mA max open voltage: 30 V
2 = OPTO_OUT1-	
3 = OPTO_OUT2+	
4 = OPTO_OUT2-	
5 = OPTO_IN1+	max input voltage: 24 V (typ. 12 V) minimum voltage to activate: 3.5 V
6 = OPTO_IN1-	
7 = OPTO_IN2+	
8 = OPTO_IN2-	

Phoenix Contact

1844278 pcb header 3.5mm pitch MC series

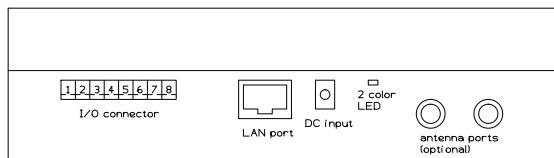
1840421 cable plug

Typical voltage for inputs is 5-15V

For >15V, it is recommended to include a series resistor
e.g for 24V, a 1000 Ohm/0.5W resistor is recommended

Optocoupler

- I led = 3mA
- Vf = 1.2V
- I led. max = 50 mA
- R on = 0.55 Ohm
- I load max = 700 mA
- Vmax = 60V
- Protection diodes start conducting at 33V
- Usable maximum voltage = 48V



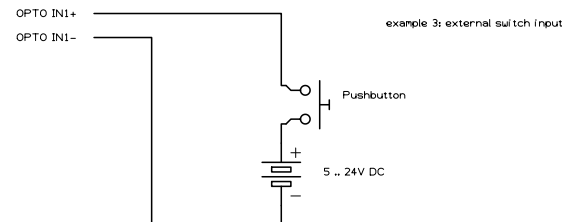
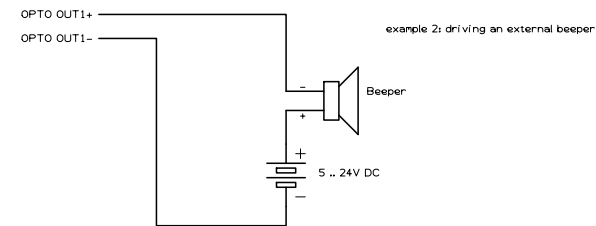
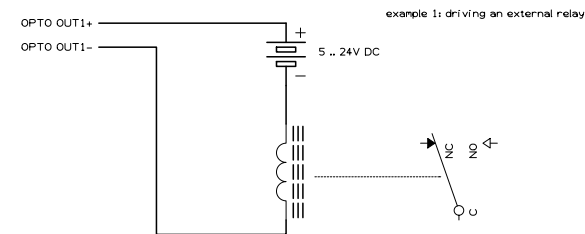
side view

Sense & Control logic definitions

port \ logic	0	1 *
in1	Vin1 < 1 V	Vin1 > 3.5 V
in2	Vin2 < 1 V	Vin2 > 3.5 V
out1	switch off	switch on *
out2	switch off	switch on *

* An output may also be switched on by any non-zero number

some examples



DESIGN TITLE

I/O connector pinning

PROJECT NAME

COMPANY Intellifi BV
Keplerlaan 16
6716 BS Ede

DRAWING NO.

REVISION

2

AUTHOR Reinier Gerritsen

DATE 22-12-2017

SHEET 1 OF 1