



# ALLNET ALL4442

## Contact Counter for ALL3000/3418v2/3500/3692/4001/4500/5000

- *new compact aluminum desktop- / wallmounting case*
- *I2C Bus for multiplexing use*
- *either black or white available*
- *angle fixings for wall mounting*

### Measure, control and regulate automatically and independently

ALLNET for years been pursuing the concept of intelligent control of processes in building over network and Internet. Intelligent building not only offers comfort, but actively promotes the reduction of energy costs.

Centrally managed and via network / internet accessible the ALLNET Home Automation products allow intelligent building automation regardless of time and location.

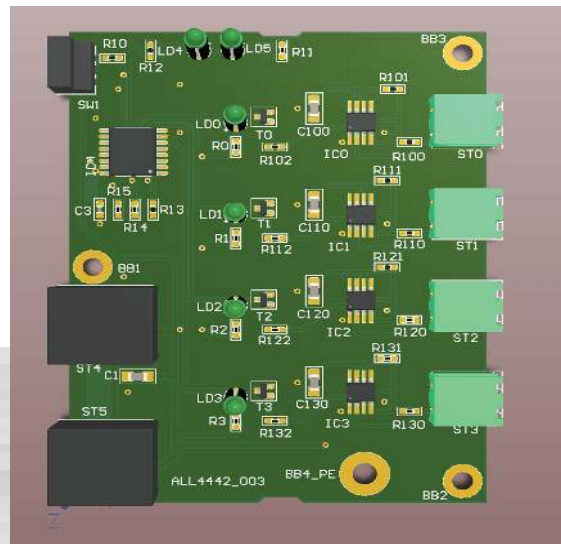
The ALL4425 contact counter has a max. counting frequency: 1000 pulses / second and a count of (0 .. 999999)

**Art.-Nr. 98836**



## Contact Counter in desktop-/ wallmounting case

- max. counting frequency: 1000 pulses / second and a count of (0 .. 999999)
- Aluminum housing with bracket for wall mounting
- Multiple multiplexing = multiple modules on one line
- Interfaces: 2x RJ45



| Item             | Specification                                                                                                                                                         |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sensor type      | Contact Counter                                                                                                                                                       |
| measuring range: | max. counting frequency: 1000 pulses / second and a count of (0 .. 999999)                                                                                            |
| Chip             | PCF8583                                                                                                                                                               |
| Interfaces:      | 2x RJ45 (I2C Bus)                                                                                                                                                     |
| Multiplexing:    | dial wheel for ID, see note below                                                                                                                                     |
| LED Indicators:  | 1x PWR, 1x BUS                                                                                                                                                        |
| Housing:         | metal case                                                                                                                                                            |
| Environment:     | Temperature operating: -45 ~ 90 °C<br>Humidity operating: 10% ~ 85% (non condensed)<br>Temperature storage: -20 ~ 60 °C<br>Humidity storage: 5% ~ 90% (non condensed) |
| Certificates:    | CE, RoHS                                                                                                                                                              |
| Dimension:       | 79 x 50 x 24 mm (Length x Width x Height)                                                                                                                             |
| Weight:          | 230 grams (only device)                                                                                                                                               |
| Warranty:        | 36 months                                                                                                                                                             |
| package content: | 1x ALL4425 Contact sensor<br>1x connection cable                                                                                                                      |

## Multiplexing - Note to the operation of several sensors on one sensor port

Basically, it is for the ARM and MIPS-based systems possible, unlike to teh ALL3000/4000 to operate more than one sensor on a physical port.

Standard hardware requirement is that the sensors are equipped with 2 RJ45 connectors so that the sensor signal can be continued to the next sensor. The total cable length of 100 m does not increase thereby.

So that the sensors can be uniquely identified by the devices, it is necessary that these sensors have different software-I2C chip addresses and IDs. Sensors with the same address and adjustable chip ID can be combined. For sensors without adjustable ID address only one type of sensor can be connected per port.