

# Technical specifications SmartDog Dinrail (DR V3)

## Supply

|                            |                                                                                                                                                                                                                                                                                                        |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power Supply:              | Plug-in power supply 24VDC or 24VDC terminal plugs                                                                                                                                                                                                                                                     |
| Power consumption:         | apx. 4 W                                                                                                                                                                                                                                                                                               |
| Communication interfaces:  | 1× Ethernet<br>1× RS485<br>1× RS485/422<br>max. 100 inverters – mixed operation possible<br>2× USB (WIFI/GSM/Analoge modem ...)<br>1× RS232<br>1× 1-Wire®                                                                                                                                              |
| Additional inputs/outputs: | 4× Digital input 0-24 V (from internal supply or external 24V)<br>2× Analog input 0-10 V 0/4-20mA<br>2× Analog input Pt1000/Kty 81-210<br>4x Digital output. Max. Load 24 V DC / 500 mA<br>2× Relays (changeover contact max. load 230 V / 5 A)<br>2× Analog output 0-10 V 0/4-20mA<br>2× 3-colour LED |
| Storage:                   | 1 GB RAM. 8GB Flash. 20 GB micro SD                                                                                                                                                                                                                                                                    |
| Processor:                 | Quadcore 4x 1,2GHz with GPU                                                                                                                                                                                                                                                                            |
| Languages:                 | German/English/Polish/Italian                                                                                                                                                                                                                                                                          |
| Protocols:                 | Modbus TCP/RTU, IEC 101/104, Jason, APIs...                                                                                                                                                                                                                                                            |

## Environmental conditions

|                           |                            |
|---------------------------|----------------------------|
| Ambient temperature:      | -5 °C to 55 °C             |
| Storage conditions:       | -20 °C to 65 °C            |
| Operating humidity range: | 0-70 % rF – non condensing |
| Protection rating:        | IP20 (indoor use only)     |

## Mechanical data

|                |                                   |
|----------------|-----------------------------------|
| Size:          | 9TLE 160 × 90 × 64 mm (W × H × D) |
| Weight:        | 260 g,                            |
| Mounting type: | DIN-rail mounting                 |