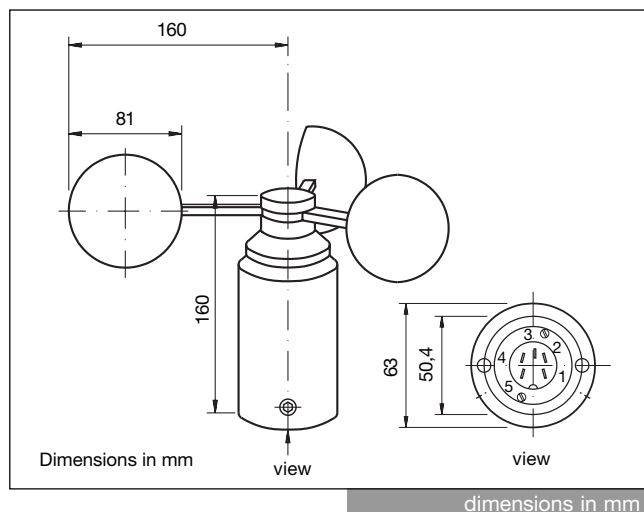


# INT1® Vane anemometer

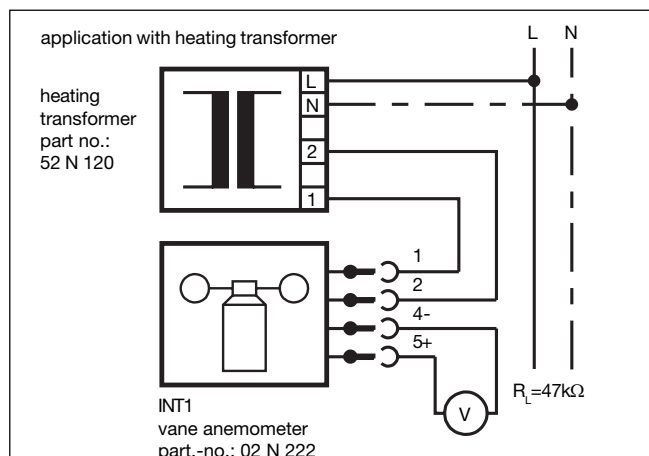
DC 0 ... 16,5 V = 2 ... 35 m/s



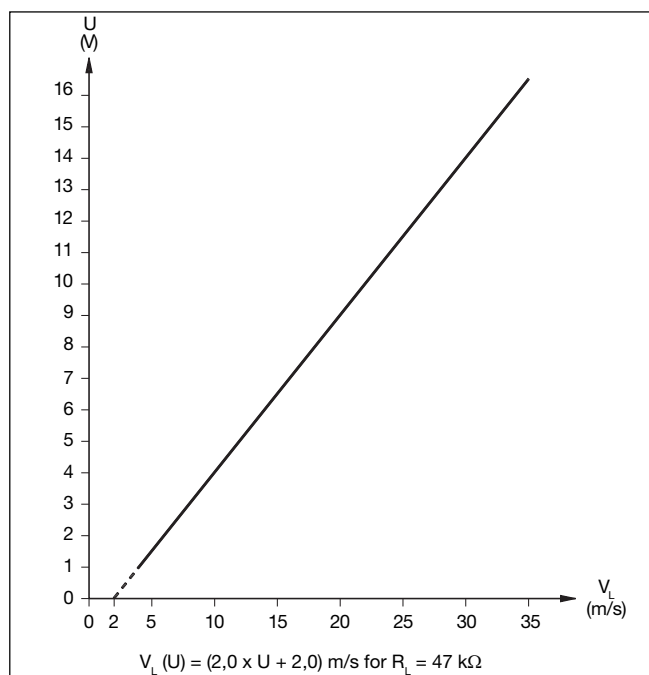
INT1



dimensions in mm



Connection diagram



Characteristics INT1 vane anemometer

## Application:

Vane anemometers are used for measuring and monitoring wind speed, e.g. for monitoring crane installations, ski lifts and cableways, building manage-

ment systems, blind protection and weather station as well as for scientific and research purposes.

## Function Description:

The KRIWAN vane anemometer is of a storm-proof and rain-proof design so that it can be used maintenance-free for all applications. The unit is equipped with a selfcontrolled low-voltage heater (matching heating transformer: part no. 52N120) as standard. The anemometer consists of a three-phase tachogenerator

with a built-in three-phase bridge-connected rectifier. The speed-proportional output voltage can be supplied directly to a measuring instrument or a recorder, or can be used as an input voltage for the switching amplifier. A 4-core connection cable is required, two wires being for the heating circuit.

## Technical Data

|                                            |                                                             |
|--------------------------------------------|-------------------------------------------------------------|
| Measuring range                            | approx. 2 ... 35 m/s =<br>wind force 1 ... 12               |
| Signal output (term. 4-5)                  | DC 0 ... 16,5 V $R_L = 47 \text{ k}\Omega$                  |
| Starting speed                             | approx. 1,5 m/s                                             |
| Max. wind speed                            | 60 m/s                                                      |
| Admissible ambient temp.                   | -40 °C ... +80 °C                                           |
| PTC heating                                | self-controlling                                            |
| Heating (term. 1-2)                        | AC/DC 30 V $\pm 20 \%$ , 0,6 A<br>typical 10 VA, max 18 VA  |
| Mounting opening<br>for tubular steel mast | 48 mm $\varnothing = 1 \frac{1}{2}''$<br>(acc. to DIN 2440) |
| Protection class                           | (acc. to EN 60529)                                          |
| Mastmounting                               | IP63                                                        |
| Connection                                 | plug, 5-pole                                                |
| Material housing                           | AlMg Si 1 F32, colour nature                                |
| Material vane                              | PA6 GF30, colour blue                                       |
| Weight                                     | approx. 1,2 kg                                              |
| Part no.                                   | <b>02 N 222</b>                                             |
| Vane set (3 pc)                            | <b>02 N 221</b> (spare part)                                |

subject to technical modification without notice.