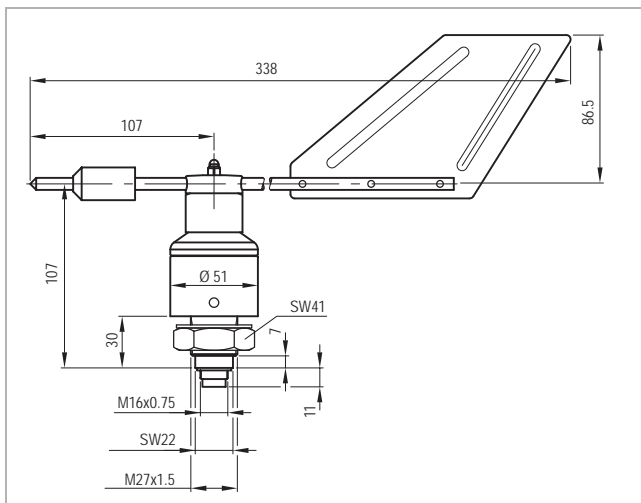


INT30 M[®] Wind direction sensor

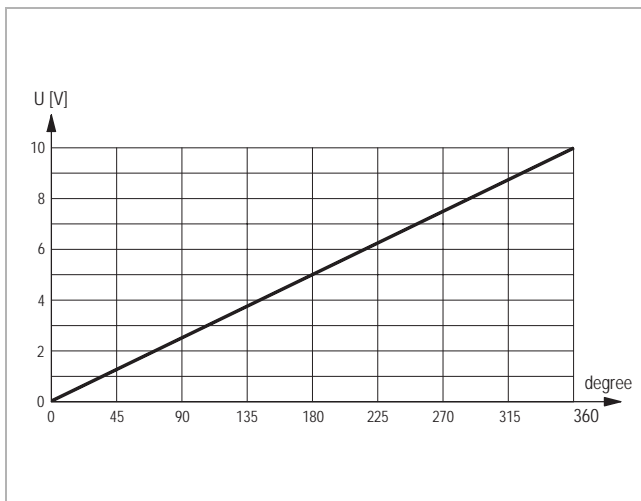
INT30 M[®]



INT30 M with central mounting



Dimensions in mm



Characteristic line

Application

KRIWAN wind direction sensors are used for the demanding recording of wind speed, e.g. for monitoring ski lifts and cable railways, wind power generators for energy-optimisation, in building technology for building protection, in hydrology and as a weather station component for the building and greenhouse control.

Functional description

The KRIWAN-Wind direction sensor INT30 M records the current wind-speed and converts it without contacting it into a linear output signal. The sensor is designed to withstand storms and weather. The built-in self-regulating heating allows it to be used at temperatures down to -40°C . The evaluation is then carried out separately with a measuring device, a display instrument or in the connected control and monitoring system.

The following features characterise this KRIWAN wind direction sensor:

- Robust and reliable industrial design
- Low starting torques at high load capacity
- Outstanding precision
- Wear-free recording of measurement data
- Optimised power requirement through electronic heater control
- Simple installation
- Extended temperature range
- Integrated overvoltage protection
- Impact and vibration-resistant
- Maintenance free



The unit must be connected by trained electrical personnel. All valid European and national standards for connecting electrical equipment must be observed. To avoid any consequential damage or operational failure, through direct or indirect excitation in the event of lightning strikes, we recommend that a separate lightning protection device be fitted by the customer.

Order data

INT30 M Wind direction sensor
0...360°; 0...10V; central mounting,
14m cable, heating

13 N 297

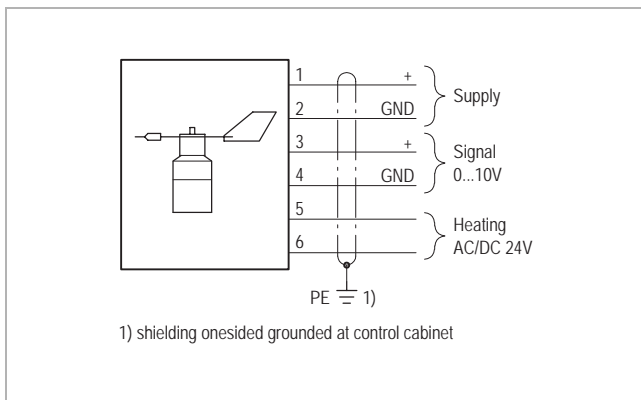
Spare parts

Wind vane	02 Z 123 S21
Self-locking cap nut M4	HM04009400
Serrated washer J4,3	HX04305600
Hexagon nut M27x1,5	HM27002400
Serrated washer J28	HX28014600

Technical changes reserved

INT30 M[®] Wind direction sensor

INT30 M[®]



Wiring diagram

Technical specifications

Measuring principle	Noncontact, magnetic scanner
Measuring range	0...360°
Accuracy	±2.5°
Resolution	< 1°
Start-up speed	< 0,4m/s ($\vartheta_U = 20^\circ\text{C}$)
Supply	DC 24V ±25% max. 10mA reverse-polarity protection
Signal output	DC 0...10V
Signal availability	Max. 2.5s (from voltage-free state)
Load resistor	≥ 10kOhm
Connection type	Cable (14m), 6x0.5mm ² , screened Polyurethane sleeve insulation Thermoplastic elastomer lead insulation
Permitted ambient temperature	-40...+70°C Heating not connected: snow and ice free sensor required.
Permitted rel. humidity	0...100% r.h.
Strength	For wind speed of 80m/s (max. 30min)
Heating	Automatic heating controller, AC/DC 24V ±20% max. 20VA SELV
Protection class acc. to EN 60529	IP64 for intended use sensor mounting
Mounting	Central mounting M27
Dimensions	Refer to dimensions in mm
Housing material	Aluminium
Wind vane	Aluminium, brass nickel plated
Corrosion resistance	Seawater-resistant alloy
Weight	Approx. 1700g
Check base	EN 61000-6-2 EN 61000-6-3 EN 61010-1
Approval	UL File No. N.N.