

WIL-BI-IDS-868-00 - Switchgear and controlgear assembly



1097085

<https://www.phoenixcontact.com/us/products/1097085>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Similar figure

Evaluation unit for sensor data for ice detection, including application software. Communication via Modbus/TCP and PROFINET. Sensor communication via 868 MHz frequency band. See "Technical data" tab for scope of supply.

Product description

BLADE INTELLIGENCE is a modular solution for rotor blade monitoring of wind turbine generators. The WIL-BI switchgear and controlgear assembly is available in different versions. It can be easily integrated into existing systems. The necessary sensors and connecting cables are available as accessories. The accessories required vary depending on the item version.

Your advantages

- Maintenance work can be scheduled and parameterization adjusted, thanks to remote access
- Early detection of damage and optimized maintenance intervals, thanks to continuous monitoring
- Easy connection to existing systems, thanks to open interfaces
- Maximum availability of wind turbine generators, even under extreme conditions

Commercial data

Item number	1097085
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	DTHABA
GTIN	4055626934686
Weight per piece (including packing)	11 kg
Weight per piece (excluding packing)	11 kg
Country of origin	DE

WIL-BI-IDS-868-00 - Switchgear and controlgear assembly



1097085

<https://www.phoenixcontact.com/us/products/1097085>

Technical data

Product properties

Product type	Switchgear and controlgear assembly
Scope of supply	1x network cable - NBC-MSD/10,0-93E/R4AC SCO (Item No. 1407363)
	1x connecting cable for feed-in

Insulation characteristics

Protection class	I
------------------	---

Electrical properties

Control voltage	24 V DC
Nominal current control voltage	1.25 A
Nominal voltage U_N	230 V AC (50 Hz)
Nominal current I_N	0.13 A
Nominal power	30 W

Fuse

Recommended backup fuse: AC 230 V	6 A (Characteristic B, 1-pos.)
-----------------------------------	--------------------------------

Dimensions

External dimensions

Width / Height / Depth	300 mm / 400 mm / 210 mm
	354 mm / 467 mm / 210 mm (With panel mounting brackets and connections)

Material specifications

RAL color	7035
Material Housing	Sheet steel

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP54
Ambient temperature (operation)	-25 °C ... 50 °C
Permissible humidity (operation)	≤ 95 % (at 25 °C, non-condensing)
Air pressure (operation)	70 kPa ... 106 kPa (up to 3000 m above mean sea level)

WIL-BI-IDS-868-00 - Switchgear and controlgear assembly



1097085

<https://www.phoenixcontact.com/us/products/1097085>

Classifications

UNSPSC

UNSPSC 21.0	39121100
-------------	----------

WIL-BI-IDS-868-00 - Switchgear and controlgear assembly



1097085

<https://www.phoenixcontact.com/us/products/1097085>

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
---	--------------------

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
-------------------------------------	----------------------------

Phoenix Contact 2026 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com