

Switching device combination - CBL-RBTM-TT - 2701462

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Measurement system for load characteristics and bending moments in rotor blades of wind turbine generators. Proactive rotor blade monitoring, early detection of damage, and optimized load control. Reliable in harsh ambient conditions and suitable for remote service.



Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4046356755405

Technical data

General data

Material cover/door	Sheet steel (with all round PU foam seal, dip-primed, powder-coated on the outside, textured finish)
Weight	12.6 kg
Installation location	Interior (wind turbine generator)
Degree of protection	IP65
Protection class	I, IEC 61140, EN 61140, VDE 0140-1

Housing

Housing material	Sheet steel (dip-primed, powder-coated on the outside, textured finish)
Material cover/door	Sheet steel (with all round PU foam seal, dip-primed, powder-coated on the outside, textured finish)
RAL color	7035 light grey

Ambient conditions

Ambient temperature (operation)	-25 °C ... 45 °C
Ambient temperature (storage/transport)	-35 °C ... 45 °C
Shock (operation)	30g
Shock (storage/transport) GRP	30g
Vibration (operation)	2.3g

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Dimensions

Outer dimensions: width, height, depth	380 mm x 380 mm x 210 mm (without housing feed-throughs)
	334 mm x 355 mm x 2 mm (Mounting plate dimensions)

Technical characteristics

Nominal power	approx. 69 W (for 230 V AC)
	approx. 14.4 W (at 24 V DC)
Nominal current I_N	approx. 0.3 A (for 230 V AC)
	approx. 6 A (at 120 V AC)
	approx. 0.6 A (at 24 V DC)
Nominal voltage U_N	230 V AC (1/N/PE)
Output voltage	24 V DC
Control voltage	24 V DC
Protection	500 mA (normal blow)
Recommended backup fuse	16 A (Characteristic B, 1-pos.)

Cable entry

Type of cable entry	Coupling
	Cable gland

Standards and Regulations

Vibration (operation)	2.3g
Shock (operation)	30g

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PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>