

CBL-RBTM-TT - Switchgear and controlgear assembly



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.

Commercial data

Item number	2701462
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DT02
Product key	DTHACA
GTIN	4046356755405
Weight per piece (including packing)	12.2 kg
Weight per piece (excluding packing)	12.2 kg
Customs tariff number	85371098
Country of origin	DE

Technical data

Product properties

Product type	Switchgear and controlgear assembly
Installation location	Interior (wind turbine generator)

Insulation characteristics

Protection class	I (IEC 61140, EN 61140, VDE 0140-1)
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Electrical properties

Control voltage	24 V DC
Nominal voltage U_N	230 V AC (1/N/PE)
Nominal current I_N	approx. 0.3 A (at 230 V AC)
	approx. 6 A (at 120 V AC)
	approx. 0.6 A (at 24 V DC)
Nominal power	approx. 69 W (at 230 V AC)
	approx. 14.4 W (at 24 V DC)

Fuse

Recommended backup fuse:	16 A (Characteristic B, 1-pos.)
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Output data

Output voltage	24 V DC
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Dimensions

External dimensions

Width / Height / Depth	380 mm / 380 mm / 210 mm (without housing feed-throughs)
	334 mm / 355 mm / 2 mm (Mounting panel dimensions)

Material specifications

RAL color	7035 light gray
Material Housing	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)

Cable/line

Cable entry

Type of cable entry	Coupling
	Cable gland

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65
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Ambient temperature (operation)	-25 °C ... 45 °C
Ambient temperature (storage/transport)	-35 °C ... 45 °C
Shock (operation)	30g
Shock (storage/transport)	30g
Vibration (operation)	2.3g

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Environmental product compliance

EU REACH SVHC

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