

SOLAR TURBINES OVERSPEED MONITORING

Product Data Sheet

1053832-100 1053835-22

Electronic turbine overspeed monitor

NOMINAL SUPPLY VOLTAGE	NAMEPLATE SUPPLY CURRENT	RELAY CONTACT RATING	MEASUREMENT FREQUENCY RANGE
24 V DC	50 mA	36 V DC, 2 A	153 Hz to 25 kHz

Caterpillar / Solar Turbines 1053832-100 is an electronic overspeed monitor identified by sales part number 1053835-22. It belongs to the Solar Turbines overspeed-monitor product family and provides independent rotational-speed supervision for compatible industrial turbine packages used in power generation and gas compression.

01

VERIFIED TECHNICAL DATA

Nominal supply voltage	24 V DC
Nameplate supply current	50 mA
Relay contact rating	36 V DC, 2 A
Measurement frequency range	153 Hz to 25 kHz
Minimum input signal	600 mV peak-to-peak
Input impedance	10 kohm, resistive
Maximum overspeed response	6 ms processing + 6 ms relay
Analog speed output	4 to 20 mA
Probe excitation voltage	9 V DC
Serial interface and rate	RS-232, 19200 bps

ADDITIONAL PRODUCT DATA

Serial data format	8 data bits, no parity, 1 stop bit
Control connector	J1, 10-pin cage clamp
Relay connector	J2, 9-pin cage clamp
Signal input connector	J3, 5-pin cage clamp
Marked ambient classifications	T5: -20 to +70 deg C; T4: -20 to +85 deg C

DOCUMENTED USE SETTINGS

Oil Production and Natural Gas Pipeline Transportation: Oil and Gas Production.

Electric Power Generation and Turbine Energy Production: Industrial Electric Power Generation.

Industrial Manufacturing and Combined Heat Production: Industrial Heat and Power.

SYSTEM COMPATIBILITY

Caterpillar / Solar Turbines 1053832-100 is an electronic overspeed monitor identified by sales part number 1053835-22. It belongs to the Solar Turbines overspeed-monitor product family and provides independent rotational-speed supervision for compatible industrial turbine packages used in power generation and gas compression.

OFFICIAL SOURCE

Solar Turbines Overspeed Monitor User Manual, pages 1 to 10; exact unit nameplate

AMIKON PRODUCT SUPPORT

+86-18020776786

INFO@AMIKON.CN

AMIKONG.COM