

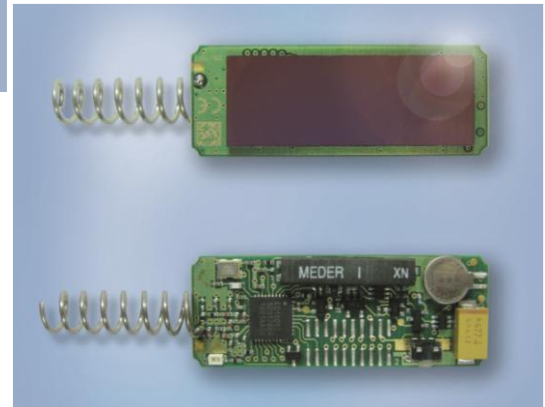
## Magnet Contact Transmitter Module STM 329F

**The radio transmitter module family STM 329F from EnOcean enables the implementation of a wireless magnet contact sensor.**  
**Powered by a small pre-installed solar cell, it works absolutely maintenance-free.**  
**An integrated energy store allows operation for several days even in total darkness.**

Key applications are window and door sensors.

### Functional Principle

STM 329F supervises an integrated reed contact and reports every status change immediately (open<>closed). In addition a sign of life signal is transmitted every 20-30 minutes.



### Features Overview

<b>Power supply</b>	provided by a small pre-installed solar cell
<b>Antenna</b>	pre-installed helical antenna
<b>Frequency</b>	868.3 MHz
<b>Radiated output power</b>	typ. 5 dBm (EIRP)
<b>Data rate / Modulation type</b>	125 kbps / FSK
<b>Start-up time with empty energy storage</b>	typ. <2.5 min @ 400 lux, 25°C
<b>Initial operation time in darkness @25°C<sup>1</sup></b>	typ. 6 days, if energy storage fully charged
<b>Reed contact</b>	1x internal, Meder MK23-90-BV14496 or MK01-I
<b>Teach-in button</b>	1x internal (vertical orientation)
<b>(Transmission indicator)</b>	1x LED
<b>Module dimensions</b>	43 x 16 x 6 mm
<b>Operating temperature<sup>1</sup></b>	-20 up to +60 °C

<sup>1</sup> Tolerance of measurement in production at 50 Ω

<sup>2</sup> Full performance is achieved after several days of operation (up to two weeks) at good illumination level. Performance degrades over life time, especially if energy storage is exposed to higher temperatures. Each 10 K drop in temperature doubles the expected life span.