

## Wireless Magnet Contact STM 250J

**STM 250J is a wireless magnet contact. Powered by a solar cell, it works absolutely maintenance-free. An integrated energy store allows operation for several days even in total darkness.**

**The reed contact housing and the magnet housing are very small. This means that the EnOcean magnet contact is unobtrusively mountable at every window frame made of aluminum, plastic or wood.**



STM 250J supervises an integrated reed contact and reports every status change immediately. In addition a sign of life signal is sent every 20-30 minutes. STM 250 serves the 928 MHz air interface protocol of EnOcean.

The module switches with LRN Mode enhanced security mode with encrypted communication.

Type  
**STM250J**

Ordering Code  
**S3061-C250**

### Features overview

<b>Power supply</b>	provided by a small solar cell
<b>Antenna / Transmission range</b>	internal helix / 300m free field, typ. 30 m indoor
<b>Radio standard</b>	EnOcean 928.35 MHz / 125kbps / FSK
<b>EnOcean Equipment Profile</b>	EEP D5-00-01
<b>Security Level Format</b>	24-bit RLC, No RLC tx, 4-byte CMAC, VAES encryption
<b>Reed contact</b>	1 x internal
A change of the reed contact status will wake the transmitter unit to send a radio telegram immediately (reed contact position, unique 32-bit sensor ID, checksum). In addition a presence signal is sent every 20-30 minutes to announce the contact status even in case of no input signal changes (sign of life).	
<b>Operation start up time with empty energy store</b>	typ. 2.5min @ 400 lx / 25°C
<b>Initial operation time in darkness @ 25°C</b>	typ 6 days Energy storage fully charged, RF signals every 25 min. on average
<b>Teach-in pushbutton</b>	integrated, accessible through hole in back plate
<b>Indicator for teach-in telegram transmission</b>	LED inside housing
<b>Dimensions of reed contact housing</b>	110 mm x 19 mm x 15 mm
<b>Dimensions of magnet housing</b>	37 mm x 10 mm x 5 mm
<b>Colour of housing</b>	signal white (similar to RAL 9003)
<b>Operating temperature</b>	-20 up to +60 °C

### Certifications

The modules inside (STM429J or STM 425J) have been certified according to ARIB STD-T108 and carry the following marking:

The OEM must refer to this marking in related product documentation!



These products are offered solely as finished products for OEM customers and without an EnOcean label. The OEM partners as the instance responsible for marketing them must add their own markings for certifications and product identification.