

Wireless Magnet Contact STM 250J / STM 255J

STM 250J/255J 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/255J 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 250J/255J serves the 928 MHz air interface protocol of EnOcean.

Additionally STM 255J provides enhanced security features with encrypted communication.

Type

STM250J
STM255J

Ordering Code

S3061-C250
S3061-C255

Features overview

Power supply	provided by a small solar cell
Antenna / Transmission range	internal helix / 300m free field, typ. 30 m indoor
Radio standard	EnOcean 928.35 MHz / 125kbps / FSK
EnOcean Equipment Profile	EEP D5-00-01
Security Level Format (STM 255J)	24-bit RLC, No RLC tx, 4-byte CMAC, VAES encryption
Reed contact	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).	
Operation start up time with empty energy store	typ. 2.5min @ 400 lx / 25°C
Initial operation time in darkness @ 25°C	typ 6 days Energy storage fully charged, RF signals every 25 min. on average
Teach-in pushbutton	integrated, accessible through hole in back plate
Indicator for teach-in telegram transmission	LED inside housing
Dimensions of reed contact housing	110 mm x 19 mm x 15 mm
Dimensions of magnet housing	37 mm x 10 mm x 5 mm
Colour of housing	signal white (similar to RAL 9003)
Operating temperature	-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.