

Kinetic Energy Harvester

ECO 260

The kinetic energy harvester module ECO 260 is an energy converter for linear motion.

ECO 260 can be used to power all EnOcean radio modules of the PTM 535 product family (EnOcean Alliance, Bluetooth Low Energy, Zigbee Green Power).

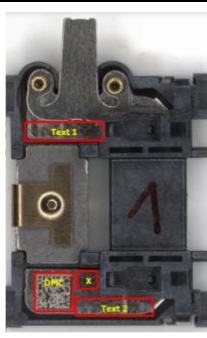
ECO 260 generates energy at every actuation of the spring (push or release). Target applications are self-powered buttons, switches, and sensors for building and industrial automation.



TYPE
ECO 260

ORDERING CODE
S3016-N260

Feature Overview

Mechanical dimensions	29.3 x 19.5 x 7.0 mm
Actuating force	1.6 N ... 2.7 N (details see installation instruction)
Weight	8 g
Actuating travel	1.5 mm ... 1.6 mm (details see installation instruction)
Mechanical lifetime	typ. >1.000.000 actuations (up or down) at 25 °C
Operating temperature	0 °C ... +40°C (Recommended) -25°C ... +65 °C (Extended)
Energy output	120 ... 210 µJ @ 2 V (With suitable power management at recommended temperature range)
Packing unit	400 pcs, Tape & Reel
Recommended radio modules	EnOcean Alliance Radio: PTM 535 (868.300 MHz EnOcean) PTM 535U (902.875 MHz EnOcean) PTM 535J (928.350 MHz EnOcean) Bluetooth Low Energy (BLE): PTM 535BZ (2.4 GHz BLE) Zigbee Green Power (ZGP): PTM 535BZ (2.4 GHz ZGP) PTM 535Z (2.4 GHz ZGP)
Product integration	ECO 260 has to be integrated according to the definitions provided by "ECO 260 Installation Instruction".
Marking	 <p>Text 1: <product name>-<stepcode><version> example: „ECO260-DA01“</p> <p>Text 2: <manufacturer number> example: 912648A</p> <p>DMC: <text 1>+<serial number> example: "ECO260-DA01+31052200001"</p> <p>X: internal production mark</p>