

JUNO ID/TILT TECHNICAL DATA SHEET EN



The Juno IP69k ID/TILT is designed for reliable tilt and opening detection of flaps and doors. The sensor has no dedicated tracking mechanisms and must be tracked passively via the respective network. The Juno ID/TILT is optionally available with mioty® or LoRaWAN®. With a precise tilt sensor, it can reliably detect flap openings. Thanks to its robust design and IP69k rating, it is ideal for use in demanding environments and can withstand dust, water and high pressures.

VERSIONS

ARTICLE CODE	FEATURES
S-JUNO-LOEU-ID	JUNO IP69k temperature, tilt detection and opening detection LoRaWAN
S-JUNO-MIOTY-ID	JUNO IP69k temperature, tilt detection and opening detection mioty
S-JUNO-IX-LOEU-ID	INDUSTRIAL JUNO IP69k Temperature, tilt detection and opening detection LoRaWAN
S-JUNO-IX-MIOTY-ID	INDUSTRIAL JUNO IP69k Temperature, tilt detection and opening detection mioty



GENERAL PROPERTIES

FEATURE	VALUE	UNIT
Dimensions lxbxh	86x86x25	mm
Weight	<200	g
Operating temperature	-25 to +75 (extended temperature range on request. Temperature range is limited by the maximum operating temperature of the primary cells)	°C
Maximum operating temperature Device	85	°C
Storage temperature (recommended)	15 to +30	°C
Rel. humidity during operation	5 to 99	%RH
IP Rating	IP69k	
IK Rating	TBD	
Sensors	Temperature, relative humidity, acceleration sensor	
Traffic light function	no	
Audible alarm function	Yes, buzzer	
Provisioning	NFC	
Material	PBT GF20 + ASA	
NFC antenna	Integrated	
RF antenna	Integrated	
Accelerometer	Yes	
Batteries	Primary cell, replaceable, AA	
Primary cell type	LoRaWAN, mioty: 2 x 3.6V LiSOCl2(recommended SAFT LS14500)	
Housing color	S-JUNO-XXXX black S-JUNO-IX-XXXX silk gray	

CONNECTIVITY AND RF SPECIFICATION

CHARACTERISTIC	WORTH	UNIT
RF Standards		MHz
Frequency	868	MHz
LoRaWAN®/mioty® EU		
Transmission power	14	dBm
LoRaWAN®/mioty® EU		
LoRa® mac layer version	1.0.4	

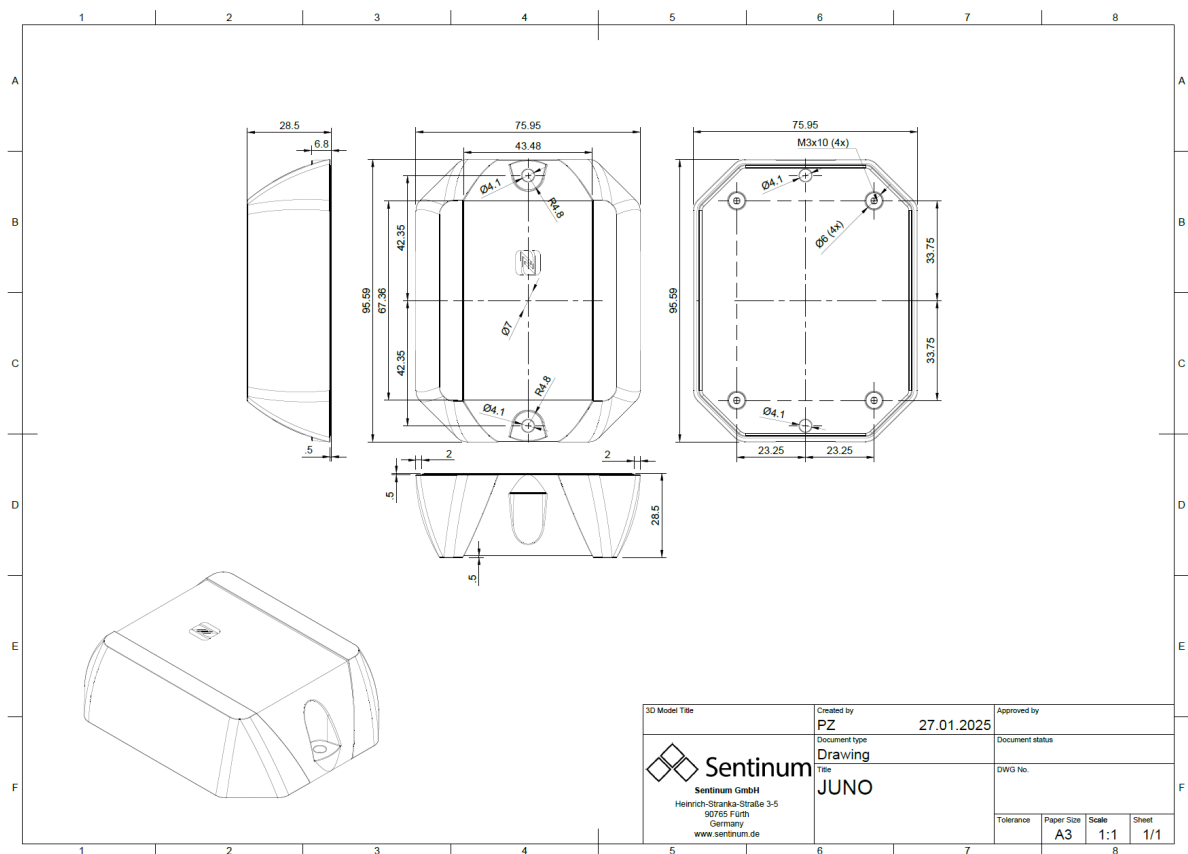
SENSOR SPECIFICATION INCLINATION

CHARACTERISTIC	WORTH	UNIT
Measuring range	0 to 360	°
Accuracy	+/-2°	°
Triggering in low power mode for opening detection	+/-60	°

SENSOR SPECIFICATION TEMPERATURE OF THE ACCELERATION SENSOR

CHARACTERISTIC	WORTH	UNIT
Measuring range	-40 to +85	°C
Accuracy	+/- 0,8	°C

TECHNICAL DRAWING



POSITION MAGNETIC SWITCH

