

NORTH EAGLES

swiss safety solutions



PERSONAL SAFETY BADGE PSB-2520 FACT SHEET

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PSB-2520 - PERSONAL SAFETY BADGE

SPECIFICATIONS (NON EXHAUSTIVE, TYPICAL VALUES, SUBJECT TO CUSTOMIZATION)

PERSONAL SAFETY BADGE

User interface	5 high density LED gauge Speaker Vibrator
Control	1 function/acknowledgement/panic button
Dimensions	91x50x24 mm / 3.58x1.96x0.94 in
Material	PU + PC polymer, permanently static dissipative
Weight	134.5 gr / 4,74 oz
Ingress protection	IP 66
Operating temperature	-20°C to +50°C (-40°F to +122°F)
Relative humidity	5% - 95% (non condensing)

BATTERY

Battery type	Lithium Polymer
Voltage	3,7V
Maximum charging current	500 mA
Maximum charging voltage	5.2 V
Typical battery life cycle	Rechargeable, up to 5 days
Charging time	4 hours

FREQUENCIES

LPWAN	LoRaWAN 863-870 MHz; 902-928 MHz Available Regions EU868, US915, AS920, AS923, AU915, KR920, IN865
Bluetooth	BLE 2,4 GHz

FEATURES

Radio protocols	LoRaWAN, Bluetooth
Geolocation	Outdoor: GPS, Glonass, Galileo, Beidou Indoor: Bluetooth
Alerts to the control room	Panic button Man down: Hard falls, loss of verticality, inactivity, Man overboard
Alerts from the control room	Alert intimation by pre-recorded messages
Access to main functions and status	Function button & high density flashing LED

CERTIFICATIONS & NORMS

ATEX		III 1G Ex ia IIC T4 Ga
IECEx		SEV 20 ATEX 0491 X IECEx SEV 20.0030X
CE		EN IEC 60079-0 :2018, EN 60079-11 :2012 IEC 60079-0 Ed. 7.0, IEC 60079-11 Ed. 6.0 EN 61000-6-4 :2006/A1 :11, EN 61000-6-2 :2016 ETSI EN 300 328 V2.2.2, ETSI EN 301 893 V2.1.1 ETSI EN 300 220-1 V3.1.1, ETSI EN 300 220-2 V3.2.1 ETSI EN 303 413 V1.1.1, ETSI EN 203 367 V1.1.1 ETSI EN 301 489-1, ETSI EN 301 489-3 ETSI EN 301 489-17, ETSI EN 301 489-19 EN62368-1:2014, EN50364:2010, EN62479:201

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