



Safe wireless system sWave®-safe RF GFSI SW2.4-safe

Features/Options:

- Set consisting of: Foot switch 1-pedal with protective shield and charging device,
Wireless receiver / [RF RxT SW2.4-safe >](#)
with magnetic base antenna
and pairing cable



Technical data

RF GFSI SW2.4-safe	
Applied standards	EN 60947-5-1, EN 61000-6-2, EN 62061, EN 61326-3-1, EN ISO 13849-1, EN 61784-3, EN 300 328, EN 301 489-1/-17, EN 60950-1, EN 50371
Enclosure	aluminium die-cast, powder-coated
Degree of protection	IP 67 to IEC/EN 60529
Protocol	sWave®
Frequency	2.4 - 2.4835 GHz
Transmission power	3.15 mW
Voltage supply	lithium ion rechargeable battery
Nominal voltage	3.7 V
Nominal capacity	2.25 Ah
Charging device	7,5 V/800 mA; ODU-connector
Battery life	after 300 charging cycles 80 % battery capacity
Safety-relevant data:	
EN ISO 13849-1	Performance Level PL d
Category	2
B_{10d} (10 % load)	20 million
T_M	max. 20 years
$MTTF_{d\text{ electronic}}$	216 years
$MTTF_d$	119 years
DC/DC_{avg}	84 %
PFH_d	5.28×10^{-7} 1/h
n_{op}	378
Transmission interval	< 50 ms
Synchronisation after sleep mode	max. 8 s

Errors and omissions excepted.



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Current consumption	active: approx. 35 mA sniff mode: approx. 12 mA sleep mode: approx. 1 mA
Ambient temperature charging	0 °C ... +40 °C
Ambient temperature	-20 °C ... +55 °C
Storage and shipping temperature	-20 °C ... +60 °C
Mechanical life	> 1 million operations
Wireless range	max. 15 m inside
Wireless approvals	Europe: RED 2014/53/EU USA: FCC-Id. T7V-BC06 Canada: IC 216Q-BC06 Japan:  ARIB STD-T66
Approvals	TÜV Nord  US
Technical data RF RxT SW2.4-safe	see separate data sheet of / RF RxT SW2.4-safe >