

Maximum Protection for Lone Workers



The safety of employees is the top priority for companies and organisations. In the event of an accident, it is crucial that employees receive immediate assistance. In the event of an emergency, the emergency services must be notified immediately. Furthermore, all of these features must be available, even if the workplace is isolated in a remote location.

With its intent-dependent and independent emergency call functions, various positioning options (GPS and/or beacons), the s.QUAD C55 fulfils the highest demands on a personal emergency terminal.

The integrated GPS and iBeacon function enable precise localization both outdoors and indoors, which is important in emergencies. This ensures fast and effective assistance.

In an emergency situation, the s.QUAD C55 quickly and reliably sends an emergency call to the SOS portal via the mobile network. Thanks to the integrated eSIM, there is no need to handle a physical SIM card.

The tried and tested standard AA round cell can also be used. For rechargeable applications, this guarantees compatibility with the chargers in the s.QUAD X and C series.

The most important features

- Manual alerting function:
 - Emergency button
- Automatic alerting functions (option):
 - Fall detection
 - Man down detection
 - Remote-Lifecheck
- Excellent reception characteristics for paging (even with active cellular connection)
- Use of an eSIM
- Positioning
 - Outdoor: GPS
 - Indoor: Bluetooth® iBeacon
- Extremely robust, dust- and waterproof
- Alarm volume >95 dB(A) at 30 cm
- Update of configuration and firmware via mobile network
- Available with green or black housing

According to DIN VDE 0825-11

The s.QUAD C55 lone worker device features a function test and device monitoring in combination with the SOS portal, according to DIN VDE 0825-11, which is one of the strictest globally respected standards.



s.QUAD C55

	Performance features	Technical data
Standards, compliance and environmental conditions	Guidelines and standards	RED 2014/53/EU (Radio Equipment Directive) ETSI EN 300 390 (Radio: POCSAG receiver) EN 600068-2-32 (Drop test from 2 m height)
		Please refer to the Declaration of Conformity for details on the other standards.
	Temperature range	-20 °C to +55 °C
Paging	Frequency ranges (other frequencies on request)	VHF 2-m-Band 146-155/155-164/164-174 MHz UHF 70-cm Band 430-470 MHz
	Frequency processing	PLL, frequency adjustable over the entire frequency range with programming software
	Channel spacing	12.5, 20/25 kHz programmable
	Protocol	POCSAG and FLEX
	Call sensitivity* <small>*typical values in the 2 m band (best position on the salt man)</small>	at 512 bit/s 2.0 µV/m at 1200 bit/s 2.5 µV/m at 2400 bit/s 3.0 µV/m
Main features	Signal strength indicator (RSSI)	Five-level display of the signal strength at the current location
	Call addresses	<ul style="list-style-type: none"> 64 main addresses (RICs) with 4 sub-addresses each, frame-independent 256 address names with 12 characters
	Alerting	<ul style="list-style-type: none"> Loudness >95 dB(A) at 30 cm Audio alarm tones Vibration alarm Alarm LED, individually programmable Up to 64 user profiles or switchable RICs
	Messages	<ul style="list-style-type: none"> Over 100 individual messages with up to 512 characters 256 fixed texts with 32 characters each can be stored Up to 2 additional message folders PIN-protected message filing
	Supported functions	<ul style="list-style-type: none"> Express Alarm OAP (On-Air Programming) system messages Over-the-air remote programming for configuration and firmware
	Options	<ul style="list-style-type: none"> Message encryption: DiCal-IDEA (128 bit), BOSKRYPT Multichannel, Scanner
Mobile radio	Frequency ranges	800/900/1800 MHz (UTRA band 20/8/3)
	Connection	LTE Cat. M1 (LTE-M)
	Network identification	Built-in eSIM
Localisation	Receiver	Nordic GPS engine
	GNSS-System	GPS L1 C/A
	Sensitivity in tracking mode	-155 dBm
	Time-To-First-Fix (TTFF)	Cold: 36 sec, assisted: 3 sec, hot: 1.3 sec
Bluetooth® module	Standard	Low Energy, Core V5.2
	Supported functions	iBeacon (localisation), compatible with s.ONE App
Display and housing	Display	<ul style="list-style-type: none"> High resolution greyscale display (146 x 128 pixels, 106 DPI) White backlight Over 200 characters per page can be displayed Different font sizes with 6, 7 or 8 lines Vertical and horizontal menu and font guidance (programmable) Scrollable font
	Dimensions (H x W x D)	81 x 64 x 22 mm
	Weight (incl. battery)	115 g
Power management	Battery type	NiMHplus rechargeable battery (standard AA cell)
	Operating times	Approx. 72 h
Accessories	Programming set	Programming tray with Windows-based programming software
	Chargers	<ul style="list-style-type: none"> Charger with relay and antenna connection Multi-chargers
	Carrying aids	<ul style="list-style-type: none"> Clip holster Leather tote bag

Subject to change without notice



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