

HA57 EVO

Programmable handset with one push-to-talk button, keypad and graphics-capable colour display

Certificates: DIN EN 50155:2018-05, DIN EN 45545-2:2016-02

Article-No.: 6508-008-100-51



Characteristics

- Large operating voltage range (5 V to 32 V)
- 2.4" colour graphic display (RGB TFT LCD) with 240x320 Pixel & 64k colours
- Integrated flash memory for one customer-written application (446k flash, 64k RAM)
- Adjustment of brightness
- Full numeric keypad
- Large PTT button on the bottom side (easy handling for right and left-handed users)
- Integrated micro-controller (ARM 32-bit Cortex-M3 CPU)
- Dynamic ear capsule and electret microphone
- Microphone capsule with noise reduction
- Wear-free hook function
- IP Code: IP40

Application Range

- Analog and digital radio systems
- Hand held controller for various public safety applications
- Mobile telephony (e. g. GSM, LTE)
- Control device for Satcom terminals (satellite communication)
- Communication system for railway applications

Accessories

- A58 cradle with screws and drilling template

Scope of Delivery

- Handset with spiral cable
- A58 cradle with screws and drilling template

Specifications

General	
Housing:	Plastic, black
Operating voltage:	5 to 32 V
Power consumption:	Max. 0.8 W/ about 160 mA at 5 V (lighting + audio switched on)
Storage temperature:	t.b.d
Operating temperature:	-25 °C to +70 °C (-13 °F to +158 °F)
Microphone capsule	
Amplification:	Adjustable in 10x 5 dB steps (0 - 9)
Frequency range:	200 Hz to 7 kHz at -10 dB
Impedance:	About 100 Ω
Sensitivity (in LRGP):	50 mV/Pa (-26 dBV/Pa ± 3 dB) 1 kHz Default: Level 3 Output voltage: about 50 mV
Ear capsule	
Amplification:	Adjustable in 9x 3 dB steps (0 - 8)
Frequency range:	200 Hz to 7 kHz at -10 dB
Impedance:	About 600 Ω
Sensitivity:	12 dBPa/V ± 3 dB 1 kHz Coupler: IEC60711 with 3.2 High Leak Pinna Simulator Default: Level 1 SPL at 100 mV: About 86 dB _{SPL}
Input voltage (max.):	100 mV
Dimensions & Weight	
Dimensions:	164 mm x 51 mm x 29 mm (without cable)
Spiral cable length:	Approx. 650 mm to 3000 mm (extended)
Weight:	t.b.d.
Interface	
Hardware interface:	UART 115200 Baud V24 level (RS232 default)