# DATA SHEET

## miniGuard 125kHz BM680

**bqt** SOLUTIONS

A 125kHz Proximity reader at a competitive price

## General Specifications

| | | |
|---|---|---|
| Power Requirement | - VDC | 7-16 VDC Regulated |
| Current Consumption | - Peak | 100ma |
| Card Read Range | - Metric | 50mm - 70 mm |
| | - USA | 1.96"- 2.75" |
| Operating Temperature | - Metric | -25°C to +65°C |
| | - USA | -13°F to +149°F |
| Relative Humidity | - % max | 90%, operating non condensing |
| Reader Dimensions | - Metric | 84.55mm (L) x 42.95mm (W) x 20.7mm (D) |
| | - USA | 3.33" (L) x 1.69" (W) x 0.815" (D) |
| Status LED's | - Colour | Green and Red |
| Audible Tone | | Internal & external buzzer |
| Colour finish | | Charcoal |
| Certifications | | FCC, CE, C-tick |
| IP Rating | | IP65 |
| ROHS | | Compliant |

Prox

The Miniguard range of readers is stylish as well as functional with its low profile and slimline shape, allowing easy installation on door architraves or mullions where larger readers will not fit. It can be mounted directly on a metal door frame with no adverse effect to the reader's function. A universal back plate is also available for mounting on most international standard gang boxes.

The 125kHz Proximity BM680 outputs Wiegand 26-37, 40 bits and is HID Proximity reader compatible, this model offers a quality, competitive price point where Proximity readers are required for new installations or replacements.

By its very nature, no encryption or other security features are available with 125kHz Proximity readers.

## Model Features

| | Technology | | | Authentication Factors | | | Encode | | | | | Encryption | | | | Sector Keys | | | 13.56MHz Credential type and option | | | | | Output Protocol | | | Other | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **BM** | 125kHz Proximity | Mifare Classic | DESfire | Card | Biometric | Keypad | CSN/UID | Sector | Application | Random UID | Diversified Keys | Crypto 1 | Mifare Plus | 3 DES | AES (optional) | MiPASS 2 | MiPASS 3 | Customisable | ISO14443A | ISO14443B | Mifare 1K & 4K | Mifare Plus 2K & 4K | DESfire EV1 4K & 8K | 26-37,40 Bits (HID compatible) | Wiegand 26-199 Bit | Encrypted RS485* | Read / Write | Indoor / Outdoor | Tamper option |
| BM680 | X | | | X | | | X | | | | | | | | | | | | | | | | | X | | | | X | |