

IDM161-300S Art. No. 309728



- Barcode scanner for safe areas (non-Ex)
- Wired or wireless Bluetooth scanners
- 1D / 2D barcodes, stacked codes
- Compatible with R. STAHL's MANTA HMI device platform

WebCode IDMA

R. STAHL's IDM16x and IDM26x barcode scanners have been developed for safe production areas. Depending on the scanner, all common 1D / 2D barcodes and stacked codes can be read. The reading process is confirmed acoustically with a beep, visually with LED and with vibration. These HMI devices have been designed to fully meet industrial requirements: their compact enclosure with IP65 is extremely robust – it can withstand up to 50 drops onto concrete from a height of 2 m. The wired scanners support all common cable interfaces, and, when required, the cables can be replaced without the need for any tools. The wireless Bluetooth scanners transmit all data via Bluetooth.

Technical Data

General

| | |
|----------------------|--------------------------------|
| Special version | Bluetooth wireless scanner |
| Version | One-dimensional imager scanner |
| Barcode types | 1D barcode |
| Base loading station | IDMx64-BT-Base NonEx |
| WebCode | IDMA |
| Technology | Bluetooth, wireless |

Explosion Protection

| | |
|------------|----|
| Ex version | No |
|------------|----|

Electrical Data

| | |
|------------------------------|---|
| Rated operational voltage DC | 3.6 V |
| Power consumption DC | Operating: 180mA Standby: 80mA |
| Interfaces | Interface support: USB |
| Light source | Visible red light (630 nm) |
| Scan frequency | ≤ 500 Hz |
| Reader distance | 20 ... 850 mm |
| Code resolution | approx. ≥ 0.076 mm (depending on code) |
| Status LED | optical: 2x LED (operating status / read confirmation) acoustic: beeper (can be switched off) vibration |

Auxiliary Power

| | |
|--------------|-------------|
| Power supply | Via battery |
|--------------|-------------|

Ambient Conditions

| | |
|---------------------|-----------------|
| Ambient temperature | -20°C ... +50°C |
|---------------------|-----------------|

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Ambient Conditions

| | |
|---------------------|---|
| Storage temperature | -30°C ... +70°C |
| Relative humidity | ±95 % , non-condensing |
| Shock resistance | 50 drops from a height of 2 m onto a concrete surface |

Mechanical Data

| | |
|--------------------------------------|-------------------------|
| Front enclosure protection type (IP) | IP65 |
| Rear enclosure protection type (IP) | IP65 |
| Enclosure material | Plastic |
| Width | 104 mm |
| Height | 185 mm |
| Depth | 76 mm |
| Dimensions (WxHxD) | 104 mm x 185 mm x 76 mm |
| Ingress protection | IP65 |
| Weight | 0.26 kg |
| Weight | 0.57 lb |

We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.