



**sigmann**  **DELTA**

**The new performance class  
for explosion-hazardous area**

**Intrinsically safe  
power supply**

**SDVM125<sup>ex</sup>**



- **Mounting in hazardous area zone 1 and 21**
- **Different types and versions available**
- **Intrinsically safe supply for handheld scanners**
- **Intrinsically safe supply for Bluetooth base stations**



## Highlights

- Mounting is possible in hazardous area Zone 1 and 21
- Different input voltage ranges
- Different interfaces
- Intrinsically safe supply for handheld scanners
- Intrinsically safe supply for base stations

## Description

It is an intrinsically safe supply between the base station and the bluetooth scanner SD160BT<sup>ex</sup> / SD161BT<sup>ex</sup> / SD261BT<sup>ex</sup> or directly the intrinsically safe power supply for the handheld scanner SD160<sup>ex</sup> / SD260<sup>ex</sup>.

The mounting in hazardous areas is possible.

There are 3 versions of the power supply with different input voltages and interfaces.

The power supply is plug-in connected in hazardous area Zone 1 and 21 with the handheld scanners SD160<sup>ex</sup> / SD260<sup>ex</sup> or with the base station of the Bluetooth scanners SD160BT<sup>ex</sup> / SD161BT<sup>ex</sup> / SD261BT<sup>ex</sup>.

## Technical data

### Structure

Aluminium enclosure

### Protection class

IP 64

### Storage temperature

-40 °C to +60 °C

### Ambient temperature

-20 °C to +60 °C

### Dimensions

(width x depth x height)

140 mm x 56 mm x 250 mm

### Weight

3,1 kg without cable

## Elektrical data

### No inherently inputs

#### SD.211.2XX1.XX

DC 18 V to 30 V

#### SD.211.3XX1.XX

AC 90 V to AC 264 V, 50/60 Hz

### Inherently outputs

#### SD.211.xx11.xx

U<sub>0</sub> = 4,9 V DC

I<sub>0</sub> = 440 mA

C<sub>0</sub> = 113 µF

P<sub>0</sub> = 1,20 W

I<sub>a</sub> = 240 mA

#### SD.211.xx21.xx

U<sub>0</sub> = 4,9 V DC

I<sub>0</sub> = 750 mA

C<sub>0</sub> = 113 µF / 250 µF

P<sub>0</sub> = 2,01 W

I<sub>a</sub> = 420 mA

## Interface

### Available with

RS232/RS422

USB



## Selection chart

### Typenumber RS232/RS422

DC 24V, 240mA SD.211.2011.00

DC 24V, 420mA SD.211.2021.00

AC 230V, 240mA SD.211.3011.00

AC 230V, 420mA SD.211.3021.00

### Typenumber USB

DC 24V, 240mA SD.211.2111.00

AC 230V, 240mA SD.211.3111.00

## Explosion protection

### Protection type

⊕ II 2G Ex eb qb [ib IIC/IIB] IIC T4

⊕ II 2D Ex tb [ib] IIIC T135 °C

or

⊕ II 2G Ex e q [ib IIC/IIB] IIC T4 Gb

⊕ II 2D Ex tb [ib] IIIC T135°C Db

### Certification

IBExU 09 ATEX 1051

IECEX IBE 15.0018