



sigmann  **DELTA**

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

**Intrinsically safe
power supply**

SDVM125^{ex}



- **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 SD161BT^{ex} / SD261BT^{ex} 3rd or directly the intrinsically safe power supply for the handheld scanner SD160^{ex} / SD260^{ex} 3rd.

The mounting in hazardous areas is possible.

There are multiple 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^{ex} / SD260^{ex} 3rd or with the base station of the Bluetooth scanners SD161BT^{ex} / SD261BT^{ex} 3rd.



Interface

Available with

RS232/RS422
USB

Selection chart

Typenumber RS232/RS422

DC 24V, 240mA	SD.211.2011.00
DC 24V, 600mA	SD.211.2031.00
AC 230V, 240mA	SD.211.3011.00
AC 230V, 6000mA	SD.211.3031.00

Typenumber USB

DC 24V, 240mA	SD.211.2111.00
DC 24V, 600mA	SD.211.2231.00
AC 230V, 240mA	SD.211.3111.00
AC 230V, 600mA	SD.211.3231.00

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

Electrical 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

U₀ = 4,9 V DC

I₀ = 440 mA

C₀ = 113 µF (IIC) / 1000 µF (IIB)

P₀ = 1,17 W (trapezoidal)

SD.211.X031.XX

U₀ = 5,3 V DC

I₀ = 1125 mA

C₀ = 68 µF (IIC) / 1000 µF (IIB)

P₀ = 3,16 W (trapezoidal)

SD.211.X231.XX

U₀ = 5,3 V DC

I₀ = 1125 mA

C₀ = 67 µF (IIC) / 1000 µF (IIB)

P₀ = 3,16 W (trapezoidal)

Explosion protection

Protection type

⊕ II 2G Ex eb q [ib IIC/IIB] IIC T4

⊕ II 2D Ex tb [ib] IIIC T135 °C

Certification

IBExU 09 ATEX 1051

IECEX IBE 15.0018