



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 SD160BT^{ex} / SD161BT^{ex} / SD261BT^{ex} or directly the intrinsically safe power supply for the handheld scanner SD160^{ex} / SD260^{ex}.

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^{ex} / SD260^{ex} or with the base station of the Bluetooth scanners SD160BT^{ex} / SD161BT^{ex} / SD261BT^{ex}.

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_o = 4,9 V DC

I_o = 440 mA

C_o = 113 µF

P_o = 1,20 W

I_a = 240 mA

SD.211.xx21.xx

U_o = 4,9 V DC

I_o = 750 mA

C_o = 113 µF / 250 µF

P_o = 2,01 W

I_a = 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