

**JUNCTION & BARRIER BOX**

**IDEAL USAGE**

Junction & Barrier Box for projects that require safe power supply, signal transmission, and an ATEX-barrier between our Remote Monitoring Unit and upto 5 ATEX approved Level Radar Sensors.

**APPLICATIONS**

- Powering & converting data from Level Radar Sensors to our Remote Monitoring Unit
- This feed of upto 5 sensors is converted into visuals in a customer specific platform



**DIMENSIONS**

Dimensions Box: 254 mm x 180 mm x 165 mm

**CONNECTIONS:**

**Internal connectors input:** Push-In connectors 0,14-4 mm  
**Power output Remote Monitoring Unit:** Male m12 Connector  
**Data/signal output to Remote Monitoring Unit:** Female M12 connector

**VOLTAGE SUPPLY**

**Required power supply:** 96 W, 100-240 VAC / 24 VDC, 4 A  
**Nominal voltage AC:** 24 ... 230 V (-15%, +10%) 50/60 Hz  
**Nominal voltage DC:** 24 ... 65 V (-15%, +10%)  
**Number of sensors:** 1 x 4 ... 20 mA/HART (5 x HART multidrop)  
**Input type:** Active (sensor power supply by VEGATRENN 141)  
**Terminal voltage:** 21 ... 16.5 V DC at 4 ... 20 mA  
**Off-load voltage:** 24 V DC (+/- 1 v)  
**Short-circuit current:** < 26 mA  
**Residual ripple:** < 50 mV RMS  
**Protecting rating:** IP20

**APPROVALS**

This unit is adjusted via a PC with the correct PACTware and the corresponding DTM.

