

Ex ic Rated Outputs for Fieldbus Devices

This document lists compatibility information for FieldConnex® Power Hub motherboard and power modules for intrinsically safe, Ex ic rated outputs at the Segment Protector series R2-SP-IC* or F2-SP-IC*.

The Segment Protector limits the safe current. Power Hubs with motherboard types MBHC* limit the safe voltage according to the selected power module unless listed otherwise. Information relating to all other motherboards is listed in Table 1.

Table 1: Attributes of power modules and motherboard/power module combinations for Ex ic applications			
Power Module	HDC2-FBPS-1.500	HDC2-FBPS-1.23.500	HD2-FBPS-1*
Output	28 V @ 500 mA	21 V @ 500 mA	*)
Safe voltage, Uo	30 V	24 V	*)
Motherboard Compatibility			
MBHC-FB-* (all versions)	Yes	Yes	---
FBTA-228-BPFB-R-8R	Yes **)	Yes **)	---
MB-FB-4R.HO.SC	---	---	Yes **)

*) Value depends on selected power module.

***) The Segment Protector alone provides a safe voltage limitation of 32 V