



**Elektro - Elektronik  
Pranjic**

Certified according to DIN EN ISO 9001:2000  
and according to directive 94/9/EC



# Pra\_matic System



CE 0158

## Power supply PR116-081-A/B/C

### IBExU00ATEX1084X



Power supply type PR116-081-C in a screwable housing with ATEX approval



Power supply type PR116-081-B in a mountable housing with ATEX approval

**Description**

There are several different types of EEP 's power supplies, i.e. the intrinsically safe versions type PR116-081-A/B/C, as well as the pressure-proof version type PR116-081-D.

The different types PR116-081-A/B/C only differ with respect to their dimension and their weight.

**Characteristics of the power supplies**

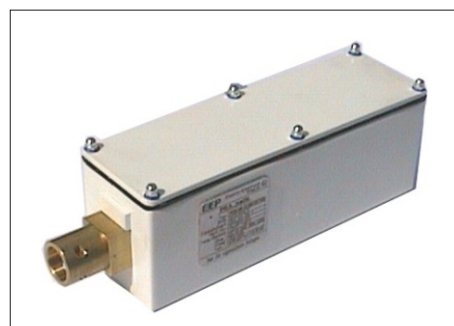
- Flangable to every kind of equipment [e]
- Flux-coated stainless steel case
- Compact size
- Flexible input voltage range
- Untwistable plug-in connector to the device
- Safe shutdown in case of overload or short circuit
- Encapsulated power supply unit
- Maintenance - free
- Connectors: Plug for power input and transmission

**Dimensions and weights**

Type 116-081-	- A -	- B -	- C -
Weight	4,5 kg	2 kg	6 kg
Dimensions (LxWxH) in cm	29 x 8 x 10	23 x 12 x 7	31 x 8 x 9



Plate of approval of the power supply



Power supply type PR116-081-A in a flangable housing with ATEX approval

**Technical specification**

Input voltage AC/DC 230 V  
 max. deviation +20% ... -63%  
 Range of ambient temperature -20 °C ... + 65 °C

**Output circuit**  
 Voltage DC 12 V  
 max. voltage DC 12,8 V  
 Current up to 1.4 A  
 max. current 1.58 A  
 Performance  $P_0$  20,2 W  
 max. outer inductivity (when  $C_a = 0$ ) 20  $\mu$ H  
 max. outer capacity (when  $L_a = 0$ ) 15  $\mu$ F  
 Terminals terminal strips  
 Plug for power output: SKK24

Housing: - IP 54 (flangable to the Hamacher lamp) (type A)  
 - IP 54 (separate module for mounting into a case) (type B)  
 - IP 54 (with screw joints PG29 or optionally with a metric thread) (type C)

Protection I M2 EEx m [ib]  
 Approval I BExU 00ATEX 1084 X  
 Norms used  
 - EN 50014 from 02.2000  
 - EN 50018 from 03.1995  
 - EN 50020 from 04.1996  
 - EN 50028 from 07.1998  
 - VDE 118 part 1 to part 2

