

The PSM24-3G module supplies the excom® system with power to the full extension. The power supply module can be used in zone 2.

The PSM24-3G supplies 24 VDC.

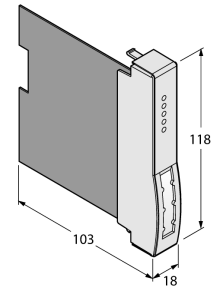
The external power supply is plugged on the module rack via Ex-e clamps. Any contact with the clamps in energized state should be avoided. They are located below the protective cap. Power has to be switched off before contact.

**Redundancy:**

Two power supply units can be installed with an appropriate module rack. In case of power cut or failure of one device, the second unit provides the power for the whole system. Different potentials can be used for power supply.



- DC power module for supply of a fully assembled module rack in zone 2

**Dimensions**

<b>Type code</b>	PSM24-3G
Ident no.	6881722
<b>Supply voltage</b>	
Nominal voltage	24 VDC
Operating voltage range	19.2...32 VDC
Power consumption	≤ 66.5 W
Power supply output	≤ 60 W
Galvanic separation	Galvanically separated input and output circuit, rated voltage 40 V
<b>Ex approval acc. to conformity certificate</b>	
Device designation	PTB 12 ATEX 2009 Ⓔ II 3 (2) G Ex nAc ic [ib] IIC T4
<b>Indication</b>	
Operational readiness	1 x green
Error indication	1 x red
<b>Electrical connection</b>	
Terminal cross-section	via backplane 2.5 mm <sup>2</sup> flexible / 4.0 mm <sup>2</sup> rigid
Housing material	Plastic
Connection mode	module, plugged on rack
<b>Protection class</b>	
Ambient temperature	IP20 -20...+70 °C
Relative humidity	≤ 95% at 55 °C acc. to EN 60068-2
Vibration test	acc. to IEC 60068-2-6
Shock test	acc. to IEC 60068-2-27
EMC	acc. to EN 61326-1 (2006) acc. to Namur NE21 (2007)
MTTF	61 years acc. to SN 29500 (Ed. 99) 40 °C
Dimensions	18x 118x 103 mm
Weight	120 g