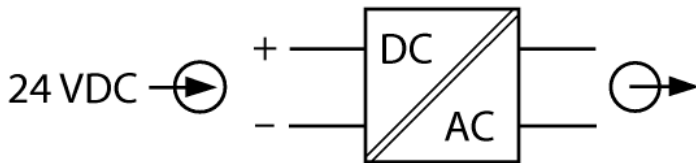


excom I/O System

Power Supply Module, 24 VDC, Non-Ex

PSM24-N.1



The PSM24... power supply module supplies the excom N system with power to the full extension. The power supply module can be used in Zone 2.

The supply voltage is 24 VDC.

The external power supply is connected via clamps on the module rack. The clamps should not be contacted in energized state. They are located below a closure cap. Switch off power before contact.

Redundancy:

Two power supply units can be installed in combination with a suitable 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 supplied.

PSM24-N compatibility mode:

The PSM24-N can be replaced by the new PSM24-N.1 or both can be operated in parallel on a module rack.

Important note:

When changing from the PSM24-N to the new PSM24-N.1, the knurled screw must be removed from the module rack. The PSM24-N.1 is switched on and de-energized using the provided locking clip PSM24-LC.

IoT mode:

In IoT mode, additional data can be provided. The PSM24-N.1 power supply module cannot be operated in compatibility mode in this scenario. Evaluation is carried out via the excom Ethernet gateway GEN-... with a firmware version $\geq 1.5.2.0$. The following data is provided: power supply module available; maintenance recommended acc. to NE107; output current too high; actual input voltage; input voltage undershot or overshoot; lowest input voltage; highest input voltage; operating hours counter; expected remaining lifetime.



- DC power supply module, supplies a module rack in the non-Ex area
- Switch on/de-energize using the provided locking clip PSM24-LC
- The knurled screw must be removed from the module rack!

Dimensions

Type	PSM24-N.1
ID	100026211
Nominal voltage	24 VDC
Operating voltage U_o	19.2...32 VDC
Power consumption	≤ 66.5 W
Output power	≤ 60 W
Galvanic isolation	Galvanically isolated input and output circuit, rated voltage 40 V
Ex approval acc. to conformity certificate	IECEx TUR 21.0012X
Device designation	Ex II 3 G Ex ec nC IIC T4 Gc
Displays/Operating elements	
Operational readiness	1 × green
Error indication	1 x red
Electrical connection	
Terminal cross-section	Via module rack 2.5 mm ² flexible/4.0 mm ² rigid
Housing material	Plastic
Connection mode	module, plugged on rack
Protection class	IP20
Ambient temperature	-40...+70 °C
Relative humidity	≤ 93 % at 40 °C acc. to IEC 60068-2-78
Vibration test	Acc. to IEC 60068-2-6
Shock test	Acc. to IEC 60068-2-27
EMC	Acc. to EN 61326-1 Acc. to Namur NE21
MTTF	61 years acc. to SN 29500 (Ed. 99) 40 °C
Dimensions	18 x 118 x 106 mm
Approvals	ATEX cFMus cFM IECEx CE

