

The PSD24Ex module supplies the excom® system with power to the full extension. The module rack is designed in a combined protection rating of Ex m, Ex e and Ex i and can therefore be used in zone 1. It is also fully potted and installed in a die-cast aluminium frame.

Powered with 24 VAC. The external power supply is hooked up to Ex e clamps at the module rack. These clamps located under a closure cap must not be plugged or unplugged under power. Interventions are only allowed after switching off the respective supply voltage.

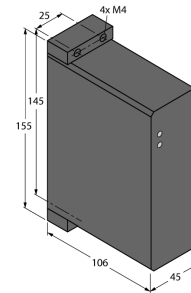
Redundancy:

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.



- **DC power supply module, supplies a fully assembled module rack in zone 1**

Dimensions



Type designation	PSD24EX
Ident no.	6881721
Supply voltage	
Nominal voltage	24 VDC
Operating voltage range	19.2...32 VDC
Power consumption	≤ 66.5 W
Output power	≤ 60 W
Galvanic isolation	Galvanically isolated input and output circuit, rated voltage 60 V
Approvals	
Ex approval acc. to conformity certificate	PTB 00 ATEX 2193
Device designation	Ⓔ II 2 G Ex eb mb [ib] IIC T4
Indication	
Operational readiness	1 x green
Supply voltage	1 x green
Terminal cross-section	2.5 mm ² flexible / 4.0 mm ² rigid
Housing material	Aluminium
Connection mode	Flange, 4 x M4 screws
Protection class	IP50
Ambient temperature	-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	78 acc. to SN 29500 (Ed. 99) 40 °C
Dimensions	45 x 155 x 106 mm
Approvals	ATEX IECEX FM _{us} TR CU KOSHA NEPSI INMETRO GL DNV BV LR