



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 VDC. 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**

Type designation	PSD24EX
Ident no.	6881721
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
Ex approval acc. to conformity certificate	IECEX PTB 13.0039
Ex approval acc. to conformity certificate	PTB 00 ATEX 2193
Device designation	Ⓔ II 2 G Ex e mb [ib Gb] IIC T4 Gb
Indication	
Operational readiness	1 × green
Supply voltage	1 × green
Electrical connection	Via module rack
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	≤ 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	78 years acc. to SN 29500 (Ed. 99) 40 °C
Dimensions	45 x 155 x 106 mm
Approvals	ATEX IECEX cFMus TR CU KOSHA NEPSI INMETRO DNV GL BV LR

Dimensions

