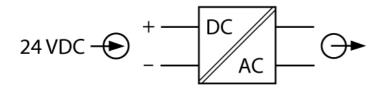




excom I/O System Power Supply Module, 24 VDC, Zone 1 PSD24EX





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





Power Supply Module, 24 VDC, Zone 1 PSD24EX

Type designation	PSD24EX
Ident no.	6881721
identific.	0001721
Nominal voltage	24 VDC
Operating voltage range	19.232 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	
Indication	
Operational readiness	1 × green
Supply voltage	1 × green
Electrical connection	Via module rack
Terminal cross-section	2.5 mm² flexible/4.0 mm² rigid
Housing material	Aluminium
Connection mode	Flange, 4 x M4 screws
Protection class	IP50
Ambient temperature	-20+70 °C
Relative humidity	\leq 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

