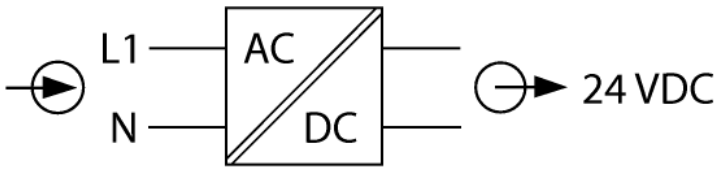
excom I/O System
Converter, 230 VAC
PPSA230EX





The AC/DC converter PPSA230Ex supplies the excom® system with power to the full extension. A combined protection rating of Ex m and Ex e enables application in zone 1. It is also fully potted and installed in a die-cast aluminium frame.

Powered with 230 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.

- AC/DC converter for DC supply of DC power supply module

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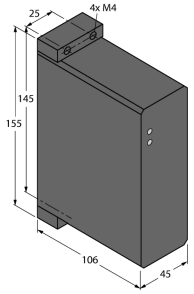
Type	PPSA230EX
ID	6900293
Nominal voltage	230 VAC
Operating voltage U_B	200…250VAC
Power consumption	≤ 85 VA
Output power	≤ 66.5 W
Galvanic isolation	Galvanically isolated input and output circuit, rated voltage 250 V
Ex approval acc. to conformity certificate	IECEx PTB 17.0002X
Ex approval acc. to conformity certificate	PTB 04 ATEX 2047X
Device designation	Ⓔx II 2 G Ex eb mb IIC T4
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 (Torx)
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. EN 61326-1 (2013) acc. to NAMUR NE21 (2007)
MTTF	919 years acc. to SN 29500 (Ed. 99) 40 °C
Dimensions	45 x 155 x 106 mm
Approvals	ATEX cFMus cFM IECEx CCC INMETRO KOSHA EAC Ex DNV GL BV LR KR CE

Dimensions



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