

# Digital / Synchro Resolver converter

## Description:

The converter includes an aluminum housing (400 x 230 x 224mm) with a 3U rack inside equipped with a power supply module and one to five synchro resolver modules (ref. SQBEN203/O/11).

That equipment enables the conversion of a digital speed information into one to five analogue synchro resolver signals.

## Operation:

The converter is operating by itself: it receives a digital speed information as an input and each synchro resolver modules converts that input into an analogue signal as synchro resolver output signals.

The converter needs a power supply for each synchro resolver module to operate.

Each synchro resolver module requires a 115V / 400Hz external power source.

## Features:

- One to five digital to synchro resolver channels.
- RS422 digital signal converted into a three-phase 90V / 400 Hz synchro resolver analogue signal for each channel.



## Analogue interfaces:

- 1 x 115V or 230V / 50Hz 80VA power supply input
- 1 to 5 x Synchro resolver RL, RH reference voltage inputs: 115V / 400Hz (requires 10VA power by conversion module)
- 1 to 5 x synchro resolver outputs S1, S2, S3 90V / 400Hz (output power: 5VA by module)

## Digital interface:

- 1 RS422 NMEA message VBW serial input

Note: all inputs and outputs of the converter are wired on MILDTL - 38999 series III connectors.

## Product references:

- NATO code: F7582
  - References:
    - Main housing with power supply module, without conversion modules: PVBEN304/O/00;
    - Main housing with power supply module, with 1 to 5 conversion modules:
      - \* 1 module: PVBEN304/O/01
      - \* 2 modules: PVBEN304/O/02
      - \* 3 modules PVBEN304/O/03 (NNO: 5998 14 585 3559)
      - \* 4 modules: PVBEN304/O/04
      - \* 5 modules: PVBEN304/O/05
  - Options: 28V DV input power
- Product designed and made in France by - ATOS group

For more information:

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