

- Regenerates the MVB bus signal.
- Isolates the segments with faults.
- It can operate as MVB bus GW.



## DESCRIPTION

The repeated is a COSMOS system module and its basic purpose on the train consists in maintaining the **optimum** signal **level** on all the cars making up a unit.

This module also permits the **isolation** of failed **segments**, whereby train operation is guaranteed where there is a fault on a car of the unit.

As is the case for the other COSMOS system modules, this equipment permits interconnection between **different** MVB **devices** (EMD, ESD...) via hardware adaptation.

Also, the repeater module can execute **Gateway** functions for unit coupling, in those cases where a WTB bus is not necessary. In this way, the repeater module shall control coupling between units, connecting MVB bus segments, providing that the number of train units to be coupled is less than two.

## CHARACTERISTICS

- Fully independent two channel repeater (A and B).
- It is fitted with 2 MVB connectors per segment.
- LEDs for fault detection and to facilitate maintenance.
- Interfaces:
  - > 1 RS232 interface for equipment setting.
  - > 2 MVB interfaces for bus connection.
- Reliability:
  - >MKBF: 58.185.600 km (average speed of 30km/hour).
  - >MTBF: 1.939.520 hours (50°C air temperature).
- Equipment designed in accordance with IEC 61375-1 and EN50155.
- Operating temperature: -25 to 85 °C (T3).
- Battery voltage: 24-110 VDC.
- Consumed power: 2 W.

## DIMENSIONS AND WEIGHT

- Dimensions: 10HP x 3U (width x height).
- Weight: 235 g.

