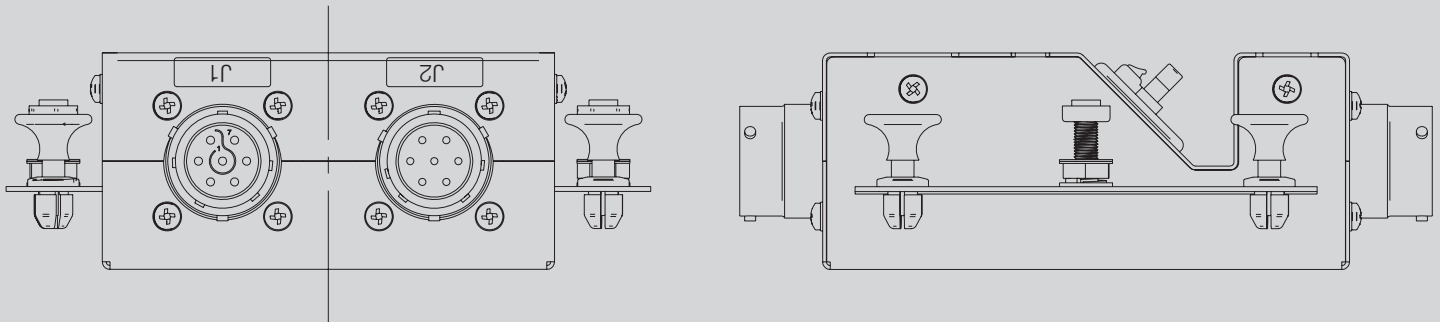




# ESIB-2

Enhanced Seat Interface Box



## SEAT SYSTEMS

integrated in today's first and business class seat products require state-of-the-art in-seat wiring architectures, taking into consideration the individual system power requirements. In case power distribution via IFE SIB's is not possible, KIDs Enhanced Seat Interface Box (ESIB -2) is a simple electrical interface between the aircraft and the seat wiring to distribute the 115 V AC power to the respective in-seat systems.

## THE TECHNOLOGY

of the ESIB-2 provides circuit breakers for each output port, allowing the connection of in-seat systems with electrical components which are not compatible with the MCU circuit breaker rating of 15 Amps. By using this concept it is possible to isolate the respective connected in-seat system in case of system failure, without any impact on the remaining systems of that seat group or other seat groups of the same column.

In order to allow easy access, the circuit breakers are located on the upper side of the ESIB-2. In addition, to avoid mechanical interferences with nearby lying cable bundles, the circuit breakers have to be installed mechanically guarded. Easy visibility of circuit breaker status is given by appropriate indication (tripped or not tripped).

## ESIB-2 General:

Max. weight:	300 grams	Nominal Voltage:	115 V/400 Hz
Outside Dimensions:	110 mm x 45.8 mm x 94 (134) mm	Maximum Current (In Seat Load):	3 x 5 Amps
Grounding Provisions:	2 Studs on the Flanges (NAS 1096-3-12, Alloy Steel MIL-S-7839)	No Internal Phase Rotation	
Mounting Provisions and Foot Print:	according to ARINC 628 and Airbus Spec.	C/B Rating: 5 Amps, 3 each, 1 per output J3, J4, J5	
Connectors:		Environmental Qualification according to RTCA DO-160D	
Input Connector Type (J2)	MS24264R14B7PN		
Output Connector Type (J1, J3, J4, J5)	MS24264R147SN		



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