

Evaluation interface board EIB-R

(with wheel sensor RSR122 or RSR123)

The evaluation interface board EIB-R is used for voltage supply and evaluation of one wheel sensor with two sensor systems or two wheel sensors with one sensor system each. The level-related evaluation can be adapted to the respective purpose. Additionally, output switching signals can be processed in terms of intervals and function, e.g. signals can be stretched, shifted, shortened or inverted. The evaluation result is output by two relays.



Dimensions Format Width Height	100 mm x 160 mm (Euroboard) 4 pitch units 3 height units
Power supply Voltage Power consumption at +19 V DC Power consumption at +72 V DC Insulation voltage	+9,5 to +36 V DC or +19 to +72 V DC 150 mA 40 mA 2500 V AC
Output signals Signal types General limits max. switching voltage max. switching current Insulation voltage between evaluation and output Signal form and duration Signal delay	Traversing of wheel sensor system 1 or 2 70 V DC dependant on used relay type dependant on used relay type adjustable adjustable
Ambient conditions Temperature Humidity	-25 °C to +70 °C Up to 100 % but without condensation and ice formation over the entire range of temperature
Mechanical stress	3M2 according to EN 60721-3-3
Electromagnetical compatibility	EN 50121-4
Applications (examples)	Heavy rails, long-distance railways in Germany, Austria and various private railways