

Evaluation interface board EIB-OK

(with wheel sensor RSR122 or RSR123)

The evaluation interface board EIB-OK 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 (as non-equivalent signals) by six optocouplers - divided into two optocoupler groups - for each sensor system.



Dimensions	
Format	100 mm x 160 mm (Euroboard)
Width	4 pitch units
Height	3 height units
Power supply	
Voltage	+19 to +72 V DC
Power consumption at +19 V DC	170 mA
Power consumption at +72 V DC	50 mA
Insulation voltage	1500 V AC
Output signals	
Signal types (optocoupler)	Traversing of wheel sensor system 1 or 2
General limits	
max. switching voltage	70 V DC
max. switching current	10 mA
Insulation voltage between evaluation and output	1500 V AC
Signal form and duration	adjustable
Signal delay	adjustable
Ambient conditions	
Temperature	-25 °C to +70 °C
Humidity	Up to 100 % but without condensation and ice formation over the entire range of temperature
Mechanical stress	3M2 according to EN 60721-3-3
Electromagnetic compatibility	EN 50121-4
Applications (examples)	Heavy rails, long-distance railways in Germany, Serbia, Spain and various private railways