

## Axle counting system AZF

(max. 14 wheel sensors RSR122 or RSR180 can be connected)

The axle counting system AZF generates the track clear and track occupied indication of a track section. Direct relays are used to output the track vacancy and occupancy detection.

Additionally, direction and system information of the counting heads can be output via optocoupler.

In case of adjacent counting sections, double usage of the counting head at the separation joint is possible.



<b>Dimensions</b> Format Width Height	19" board rack for boards 100 mm x 160 mm 42 or 84 pitch units 3 height units
<b>Power supply</b> Voltage Power rating Insulation voltage	+19 V DC to +72 V DC approx. 4,5 W per counting head 2500 V AC
<b>External interfaces</b> <b>Signal types</b>   <b>General limits</b> max. switching voltage max. switching current  Insulation voltage for all external interfaces	Section clear/occupied (non-equivalent signal) Traversing of wheel sensor system 1 or system 2 respectively Traversing of wheel sensor in direction of system 1 or system 2 respectively Reset  72 V DC 600 mA DC (ohmic load) 300 mA DC (inductive load)  2500 V AC
<b>Ambient conditions</b> Temperature Humidity	-25 °C to +70 °C Up to 100 %, but without condensation and ice formation for the entire range of temperature
<b>Mechanical stress</b>	3M4 according to EN 60721-3-3
<b>Electromagnetic compatibility</b>	EN 50121-4
<b>Applications (examples)</b>	Heavy rails, long-distance lines, marshalling yards and industrial railways (Austria, Czech Republic, Switzerland and Germany)