



Multi-channel sensor type FAHU52 with up to four galvanically isolated sensor systems

Features

- Speed sensor with up to four customer-specific galvanically isolated sensor systems
- Compact stainless steel design with robust sensor front-side
- Various signal combinations
- Different connections available, with protective tubing on request
- Due to its approvals especially suitable for transport technology (DIN EN 50155)

Type FAHU52 speed sensors are multi-channel speed sensors with up to four output signals. The signals can be easily adapted to customer requirements. Thus, the sensor is ideally suitable for space-saving applications, if e. g. several processing devices have to be provided with measurement signals or if additionally a rotational direction detection is necessary. The output signals can be galvanically isolated on request.

Your advantages

- Only one sensor for multiple applications, e.g. traction control, brake control
- We configure the signal outputs to your request
- You save costs concerning purchase and service
- You save space when mounting the multi-channel sensor
- You minimise wiring effort

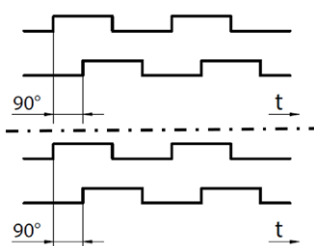
Technical Data (extract)

Measuring range	from 0.2 ... 20,000 Hz
Output signals	1, 2, 3 or 4 output signals, phase shift, galvanically isolated as option
Operating temperature	-40 ... 120 °C
Operating voltage	9 ... 32 VDC
Scanning object	Toothed wheel with involute tooting or rectangular tooting
Toothed wheel module	m1... m3
Protection class	IP66/IP68/IP69 (depending on connection)
Applied standards	DIN EN 50155 Fire protection standard DIN EN 45545

Signal output examples (other configuration possible)

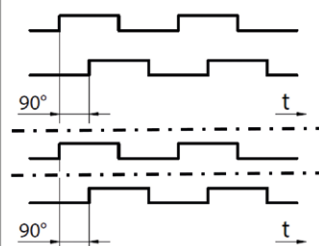
System 1: 2 signals, 90° phase shift
System 2: 2 signals, 90° phase shift

Example: Traction control



System 1: 2 signals (90° phase shift)
System 2: 1 signals (galv. isolated)
System 3: 1 signals (galv. isolated, phase shift)

Example: Traction control, brake control, event recorder



System 1: 1 signals (galv. isolated)
System 2: 1 signals (galv. isolated, 90° phase shift)
System 3: 1 signals (galv. isolated)
System 4: 1 signals (galv. isolated, 90° phase shift)

Example: Traction control, brake control, event recorder, further processing

