

# Magnetic triggering sensor

RTS-227 Code: 600-2310

## Key features

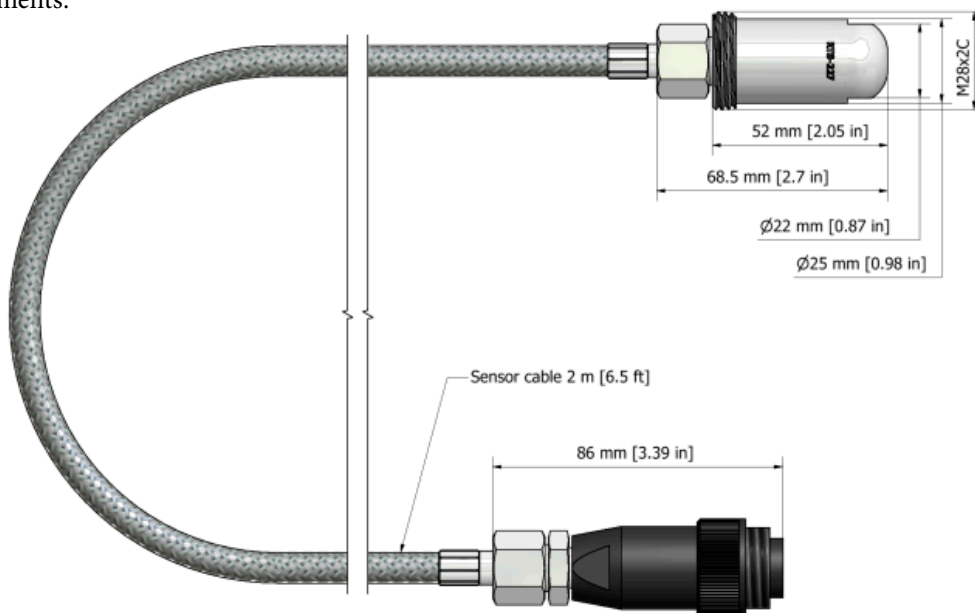
- Rugged design
- Corrosion resistant
- Long sensing distance



RTS-227 is a high quality magnetic triggering sensor for measuring rotational speed in on-line condition monitoring systems. The sensor is based on Hall effect measurement principle. A magnet is used as a counterpart attached to a rotating machine element. Pulse signal from the sensor can be used for determining machine speed, calculating characteristic fault frequencies and performing synchronized measurements.

RTS-227 is suitable for most machinery with different speed ranges in e.g. following industries:

- Pulp and Paper
- Mining and mineral industry
- Power generation
- Steel industry



## RTS-227 specifications

<b>Dynamic</b>	Pulse output	"1" 15...24 mA "0" < 1 mA
	Sensing distance	60 mm with magnet RTZ-226.1 and RTZ-226.3
	Magnetic sensitivity	About 1.2 mT
	Hysteresis	1...10% of sensing range
	Switching frequency	5 000 Hz
<b>Electrical</b>	Electrical design	2-wire, DC PNP
	Output	Normally open
	Operating voltage	10...30 VDC
	Current rating	200 mA
	Short-circuit protection	Pulsed
	Reverse polarity protection	Yes
	Overload protection	Yes
	Voltage drop	< 2.5 V
	Current consumption	< 10 mA
<b>Environmental</b>	Ambient temperature	-25...+75 °C
	Protection	IP 67
<b>Physical</b>	Material	
	Sensor	AISI316L stainless steel
	Sensor	AISI316L/PTFE
	Connector	PBT
	Mounting	M28 x 2 conical thread
	Weight	0.52 kg
	Output connector	Circular connector
	Pin 1	Signal/power
	Pin 2	Common