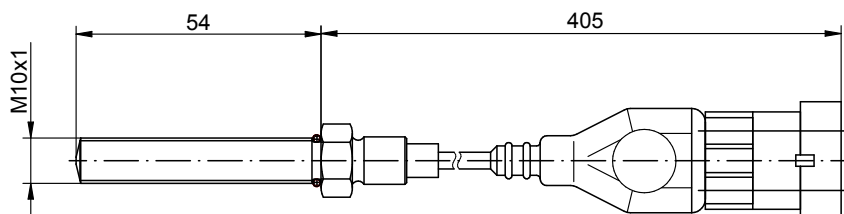


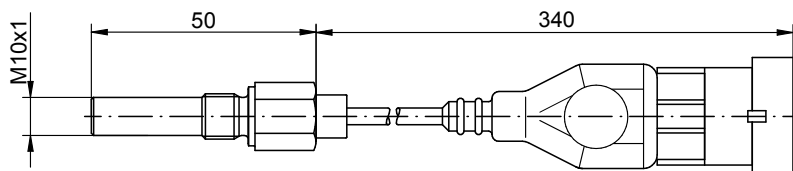
TurboTach Speed Sensors

Analog output sensors

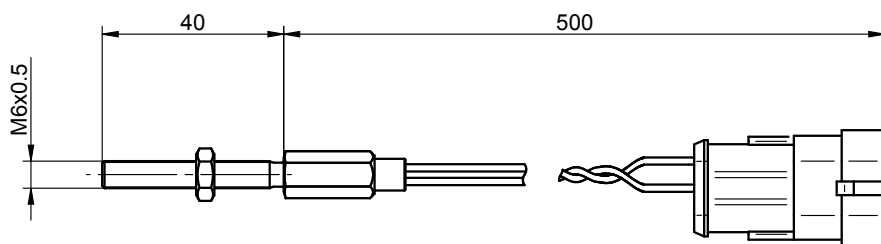
Part number	Description	Sensor Technology	Connection	Electrical	Sensor factor
304Z-05348	DSE 1010.02 PHZ S2	VR sensor	AMP Connector Series 1.5, 3 pins	Frequency & amplitude prop. to speed Sine wave output, 850 Ohm, 135 mH	①



Part number	Description	Sensor Technology	Connection	Electrical	Sensor factor
304Z-05019	DSE 1010.04 PHZ	VR sensor	AMP Connector Series 1.5, 3 pins	Frequency & amplitude prop. to speed Sine wave output, 850 Ohm, 135 mH	①

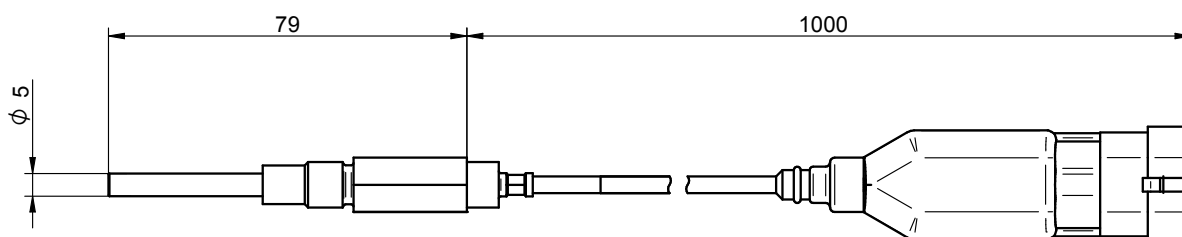


Part number	Description	Sensor Technology	Connection	Electrical	Sensor factor
304Z-05405	DSE 0603.02 THZ	Hermes Blade counting	AMP Connector Series 1.5, 3 pins	Frequency & amplitude prop. to speed Sine wave output, 320 Ohm, 10.1 mH	①



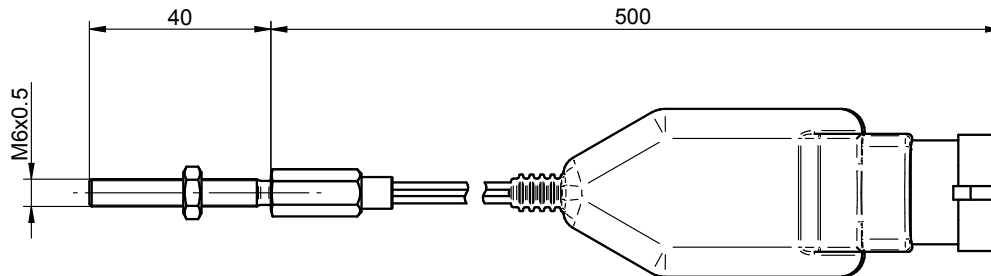
Amplified square wave output (5 V DC sensor supply)

Part number	Description	Sensor Technology	Connection	Electrical	Sensor factor
304Z-05704	DSE 0505.21 PHV	VR sensor	AMP Connector Series 1.5, 3 pins	Fixed-amplitude square wave signal with a frequency proportional to speed	①

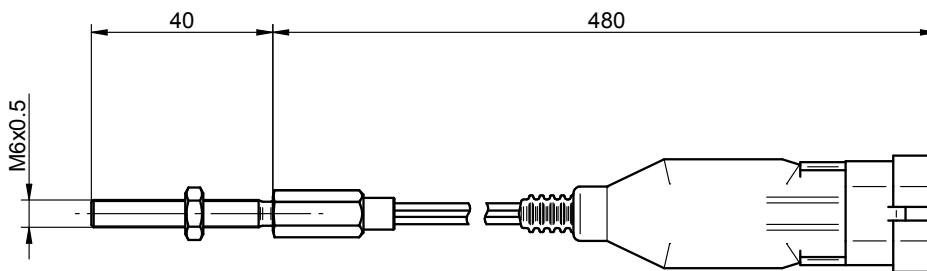


Amplified square wave output (5 V DC sensor supply)

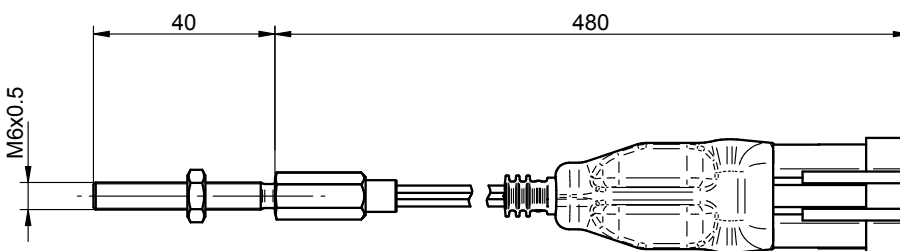
Part number	Description	Sensor Technology	Connection	Electrical	Sensor factor
304Z-05639	DSE 0603.02 T1HV	Hermes Blade counting	AMP Connector Series 1.5, 3 pins	Fixed-amplitude square wave signal with a duration of 110 µs and frequency prop. to speed	⑧



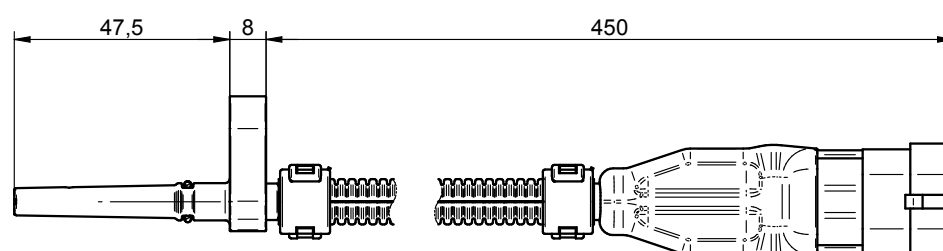
Part number	Description	Sensor Technology	Connection	Electrical	Sensor factor
304Z-05932	DSE 0603.02 T3HV	Hermes Blade counting	AMP Connector Series 1.5, 3 pins	Fixed-amplitude square wave signal with a frequency proportional to speed and 50% duty cyclespeed	⑧



Part number	Description	Sensor Technology	Connection	Electrical	Sensor factor
3042608741	DSE 0603.02 T5HV	Hermes Blade counting	AMP Connector Series 1.5, 3 pins	Fixed-amplitude square wave signal with a frequency proportional to speed and 50% duty cycle	②



Part number	Description	Sensor Technology	Connection	Electrical	Sensor factor
3042608956	DSE 0805.02 T1HV	Hermes Blade counting	AMP Connector Series 1.5, 3 pins	Fixed-amplitude square wave signal with a frequency prop. to speed and 50% duty cycle	⑧



TurboTach Tachometer

Single channel tachometers, with or without display; 0/4...20mA converter & speed switch in one; Relay & open collector frequency output.

Features

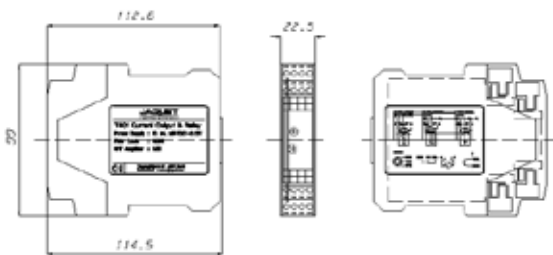
- 2 set points
- Adaptive trigger
- Fast response
- 2 / 3 wire sensor monitoring
- Plug-able terminals
- Accuracy 0.05% for set points
- 0.5% for analogue signals
- Configuration and status viewing via PC software
- ABS, Lloyds and EN50155 approval
- Speed and direction provided when used with JAUQUET DSY sensors

Functionality

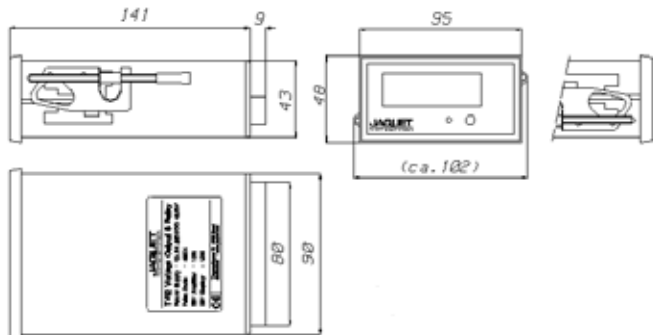
Frequency inputs	1; 0.01 Hz...35 kHz	Relays	1 change-over
Binary inputs	1 for parameter selection or relay control	Open collector outputs	1; isolated for frequency out
Parameter sets	2	Sensor supply	(5 VDC sensor supply)
Limits	2	Configuration	via RS232 and supplied software
Analog outputs	1	Voltage	10...36 VDC supply

Dimensions

T401/402



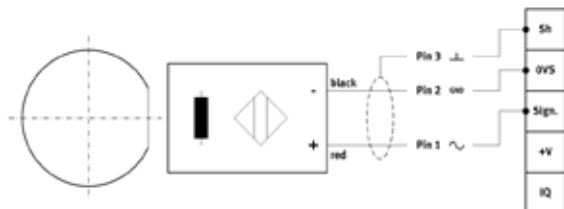
T411/412



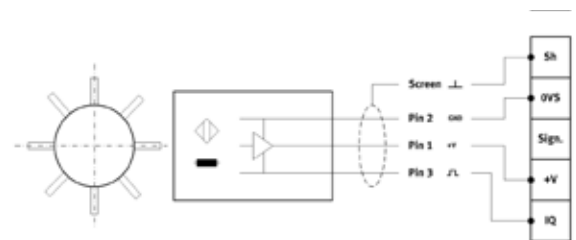
Part number	Model no.	Description
383Z-05671	T401.03	4...20mA output
383Z-05672	T402.03	2..10 V output

Part number	Model no.	Description	Display/status viewing
383Z-05595	T411.03	display; 4..20 mA output	5 digit LCD
383Z-05596	T412.03	display; 2..10 V output	5 digit LCD

Sensor - tachometer connection



Analog output sensors
(with or without screen)



Amplified square wave output
(with or without screen)

TurboTach cable harnesses

Part number	Description
304F-73569	Cable with AMP SuperSeal connector, 5 m
304F-73570	Cable with AMP SuperSeal connector, 10 m
8402609637	Cable with AMP SuperSeal connector, 15 m

Speed formula

$$M_{rpm} = \frac{p}{i \cdot 60} \quad M_{Hz} = \frac{p}{i}$$

M = Machine factor
p = Nr. of teeth
i = Sensor factor