WACHENDORFF
The Encoder Experts

speedMATE
Contactless optical sensor

DEVELOPED AND
MADE IN GERMANY
5 YEARS WARRANTY

wachendorff-automation.com/speedmate

Non-contact measurement of speeds and lengths

Adjustable encoder output A/B up to 120 pulses/mm

Slip-free

Trigger function

Working distance: 15 mm up to 60 mm

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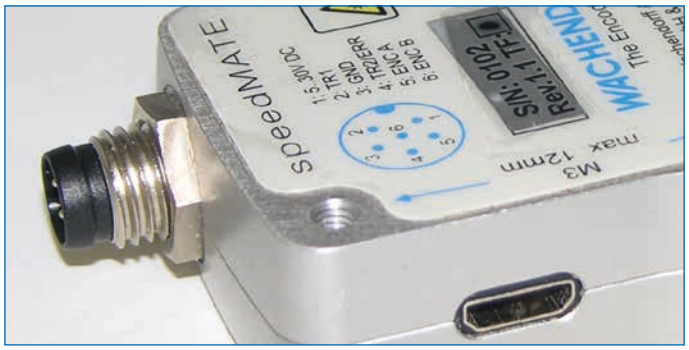
Contactless optical sensor



- Non-contact measurement of speeds and lengths
- Adjustable encoder output A/B up to 120 pulses/mm
- Working distance: 15 mm up to 60 mm
- Trigger function
- Slip-free
- Small design

The innovation for your production - simple and universal!
speedMATE measures the speeds of moving tracks and piece goods in order to monitor, control and regulate production systems.

The big advantage: The measurement is non-contact, purely optical, without mechanical components and therefore slip-free. In applications and mechanical processes in which measuring wheels cannot be used due to sensitive materials, for example, the non-contact speedMATE with its high measuring accuracy is the ideal sensor.

The speedMATE can also perform a trigger function, i.e. emit a start pulse, e.g. for labelling devices, as soon as a previously defined increment value is reached. The speedMATE is suitable for almost all materials and surfaces - even for reflective and smooth glass surfaces.

	speedMATE
Type:	Sensor incremental
Housing material:	Aluminium
Measuring distance:	15 mm up to 60 mm
Wave lenght:	850 nm
Accuracy:	± 0.3 %
Sampling rate:	0.9 ms
Output signals:	HTL, TTL
Speed:	0.5 up to 135 m/min. 2,250 mm/sec
Acceleration:	< 8g
Supply Voltage:	5 VDC up to 32 VDC
Power consumption:	100 mA
Temperature range:	-10 C° up to +60 °C
Protection class:	IP54, on the housing side
Further informations: www.wachendorff-automation.com	/speedmate

Any Questions? Just call us at +49 (0) 67 22 / 99 65 414, send us an E-Mail to support-wa@wachendorff.de or call your local distributor: **www.wachendorff-automation.com/distri**

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Wachendorff Automation GmbH & Co. KG
Industriestrasse 7 • D-65366 Geisenheim

Tel.: +49 (0) 67 22 / 99 65 - 25
E-Mail: wdg@wachendorff.de
www.wachendorff-automation.com

2024

Your distributor: