

New Product

New Hall Effect Pickup

Replacement for Pickup P/N 66.60.003-60 & 66.60.003-100

With the new Hall effect pickup, MOTORTECH presents the first sensor from its own development and production.

The pickup is designed for position detection of the camshaft or crankshaft as well as speed detection on stationary gas engines and reliably supplies the control units with the signals required to determine the ignition timing and speed.

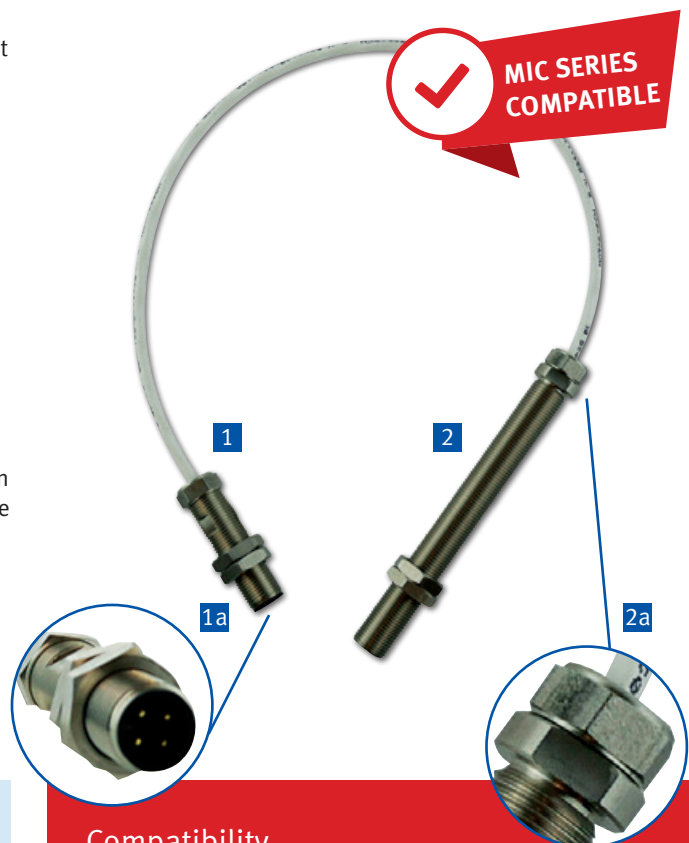
The pickup has been developed primarily as a direct replacement for the inductive sensors currently in use (P/N 66.60.003-60 & 66.60.003-100). In addition to maximum compatibility, the focus was on the highest quality standards in development and production and thus on reliability.

With the continued two-part concept, the identical installation dimensions and the extended range of applications due to the new measuring principle, the new Hall effect pickup is ideally suited for use on existing and new installations.

- Two-part design with connection part **1** & pickup **2**
- Connection part with 4 pole connector & M12x1 thread **1a**
- Integrated hexagon (wrench size 13 mm) facilitates mounting **2a**

Features & Advantages

- Integrated hexagon (wrench size 13 mm) facilitates mounting
- Extended application range due to new measuring principle
- Increased reliability
- High delivery capacity
- Made in Europe



Compatibility

- ✓ Compatible with all MOTORTECH ignition controllers of the MIC100/3+/4/5/6 as well as MIC500 and MIC850 series
- ✓ When replacing the inductive with the new Hall effect pickup, no adjustment to the general controller configurations¹⁾ or input wiring is required

The new pickup is available immediately and will replace the inductive sensor in the MOTORTECH product portfolio in the medium term. With the current introduction of the new pickup, it will also become a regular component of MOTORTECH ignition systems.

¹⁾ After replacement, the ignition timing should always be checked. It may then be necessary to adjust the ignition timing in the configuration.

DISTRIBUTION

Customers / others	Yes
Representatives and Sales Partners	Yes
OEM partners	Yes
MOTORTECH subsidiaries	Yes

New Product



Comparison of Technical Data (Extract)

Feature		P/N 66.60.003-60 P/N 66.60.003-100	P/N 66.60.043-60 P/N 66.60.043-100
Measuring principle		inductive	Hall effect
Thread		M12x1	M12x1
Length	Thread	- 60 mm - 100 mm	- 60 mm - 100 mm
	Pickup total	- 60 mm - 100 mm	- 70,5 mm - 110,5 mm
	Cable	- 210 mm (±10 mm) - 310 mm (±10 mm)	- 215 mm (±10 mm) - 330 mm (±10 mm)
	Amplifier/connector	- 60 mm - 75 mm	44.5 mm
Pole connector		4 pole, pin, M12x1	4 pole, pin, M12x1
Triggered by		slots, pins, screws	slots, pins, screws, blind holes, through holes, metal inserts
Enclosure material		stainless steel	stainless steel
Protection class		IP67	IP67, IP69
Permissible shock		30 g	50 g
Permissible temperature range		-25 °C to +125 °C	-25 °C to +125 °C
Supply voltage		10 V DC to 30 V DC	8 V DC to 32 V DC

Further information on the new Hall effect pickup can be downloaded from the MOTORTECH homepage using the following links:

[Technical Data Sheet](#)

www.motortech.de/infocenter/download-center/technical-data-sheets.html



[Installation Instructions](#)

www.motortech.de/infocenter/download-center/operating-manuals.html



Ordering Information

P/N	Description	Thread Size	Thread Length	Supersedes
66.60.043-60	Pickup, Hall effect	M12x1	60 mm	66.60.003-60, 06.60.042, 06.60.027
66.60.043-100	Pickup, Hall effect	M12x1	100 mm	66.60.003-100, 06.60.040, 06.60.023



Check Ignition Timing

Please note that when replacing a pickup, the ignition timing should always be checked.

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