



PRODUCT INFORMATION

Fuel pump driver modules

- The fully sealed housing allows for both interior or exterior mounting
- Ideal for cross-platform applications to benefit from economies of scale
- Demand-responsive operation of the various DC and EC motors

PRODUCT FEATURES

Diverse module variants (including simple single-function fuel control modules) read in a low weak current duty cycle of a PWM (pulse width modulation) control signal and convert it into a PWM output signal. Complex multi-function EC motor or DC motor control modules provide several interfaces for sensors, communication and additional actuators. HELLA supports sensor-based and sensorless EC motor applications. Fuel control modules can be individualized according to specific customer requirements.

Fuel Pump Driver Module (FPDM) Function:

In electronic returnless fuel systems (ERFS), the FPDM controls fuel pressure by receiving a duty cycle signal from the Powertrain Control Module (PCM) and modulating the fuel pump's speed.

FPDM Operation: The PCM uses a Fuel Rail Pressure Sensor (FRP) for feedback and outputs a duty cycle to the FPDM to maintain the desired fuel rail pressure.

Advantages

- Improved fuel economy
- Production of over 4 million modules every year
- Global production facilities
- Demand-responsible fuel pump control improves economy and extends the engine lifetime
- Cost-efficient design based on standardized hardware and software platform
- Integration of additional functions

HELLA's fields of expertise:

- Project teams in North America, Europe and Asia
- Specialists for optimized module thermal management
- Experience in software, hardware and mechanical design
- Global production capacity

HELLA PUMP DRIVER MODULES

PRODUCT RANGE

PART NUMBER	PRODUCT IMAGE	YEAR	MAKE	MODEL	COUNTRY OF ORIGIN
7.07796.03.0		2010-2018	Audi	A8 Quattro Q7 S8	RO
7.07796.05.0		2005-2011	Audi	A4 A4 Quattro A6 A6 Quattro	IT
7.07796.08.0		2009-2014	Audi	A4 A4 allroad A4 Quattro A5 A5 Quattro allroad Q5 RS5 S4 S5	DE
7.07796.09.0		2008-2016	Audi	A4 A4 allroad A4 Quattro A5 A5 Quattro allroad Q5 RS5 S4 S5	FR
7.07796.16.0		2017-2024	Audi	Q7 R8 RS3 RS5 RS5 Sportback S4 S5 S5 Sportback TT RS Quattro	RO
7.07796.19.0		2005-2011	Audi	A6 A6 Quattro	CN
7.07796.18.0		2013-2024	Audi Cupra Seat Volkswagen	A3 A3 Quattro A3 Sportback e-tron Arona Arteon Formentor Golf Golf Alltrack Golf R Golf SportWagen GTI Jetta Leon Q2 RS3 S3 Taos Tarraco Tiguan Tiguan Limited TT Quattro TT RS Quattro TTS Quattro	JP
7.07796.04.0		2009-2018	Audi Porsche	918 Spyder A8 Quattro Q7 S8	AU
7.07796.10.0		2008-2021	Audi Porsche	A4 A4 allroad A4 Quattro A5 A5 Quattro A6 A6 Quattro A7 A7 Quattro allroad Macan Q5 RS5 RS7 S4 S5 S6 S7 SQ5	RO
7.07796.11.0		2009-2024	Audi Porsche	A4 A4 allroad A4 Quattro A5 A5 Quattro A6 A6 Quattro A7 A7 Quattro allroad Macan Q5 RS5 S4 S5 S6 S7 SQ5	RO
7.07796.00.0		2005-2019	Audi Volkswagen	A1 A3 A3 Quattro Beetle CC Eos GLI Golf Golf R GTI Jetta Jetta City Passat Passat CC R32 Rabbit	PL
7.07796.06.0		2009-2018	Audi Volkswagen	Q3 Q3 Quattro Tiguan Tiguan Limited	CN

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PART NUMBER	PRODUCT IMAGE	YEAR	MAKE	MODEL	COUNTRY OF ORIGIN
7.07796.07.0		2009-2018	Audi Volkswagen	Q3 Q3 Quattro Tiguan Tiguan Limited	RO
7.07796.17.0		2013-2017	Audi Volkswagen	A3 Golf Golf SportWagen Q3 Quattro	DE
NEW! 934742001		2019-2024	Chrysler Jeep Ram	1500 Classic Gladiator Grand Cherokee Grand Cherokee L Pacifica Voyager Wrangler	
NEW! 934742011		2015-2024	Dodge Fiat Jeep Ram	1500 500X Challenger Charger Grand Cherokee Hornet ProMaster City Renegade	
NEW! 934213401		2019-2023	Ford	Edge	
NEW! 934742101		2023-2024	Jeep	Grand Wagoneer	
7.07796.15.0		2014-2023	Porsche	718 Boxster 718 Cayman Cayman	RO

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Product features, specifications and availability are subject to change without notice.

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