



PRODUCT INFORMATION

Rain/light sensor

- Fourth generation of the long-established HELLA rain sensors
- Five functions in one product: rain, light, solar, and humidity measurement as well as adjustment of the light intensity on the Head-Up-Display
- Optimized design – Extremely compact packaging

PRODUCT FEATURES

This new sensor offers the user five functions in one product:

Rain sensor

The rain sensor is used to recognise different rain situations in the sensor range and activates the front windshield wiper accordingly. Thus, manual intervention by the driver is now more or less unnecessary.

Light sensor

As a light sensor it controls the activation and deactivation of the low beam light in different lighting conditions or in special situations such as in tunnels.

Head-Up-Display

If it is used for the Head-Up-Display, the sensor detects the brightness in the vehicle's immediate vicinity and adjusts the light intensity of the display based on the current light conditions.

Solar sensor

The solar sensor measures the insolation and supports the air conditioning control system.

Humidity measurement

The humidity measurement is used to control the air conditioning control unit for the air conditioning in the vehicle interior, such as automatic ventilation of the windshield.

INTERFACES / FUNCTIONAL DESCRIPTION

- 1

Spring
- 2

Infrared-transparent optics for rain and tunnel detection
- 3

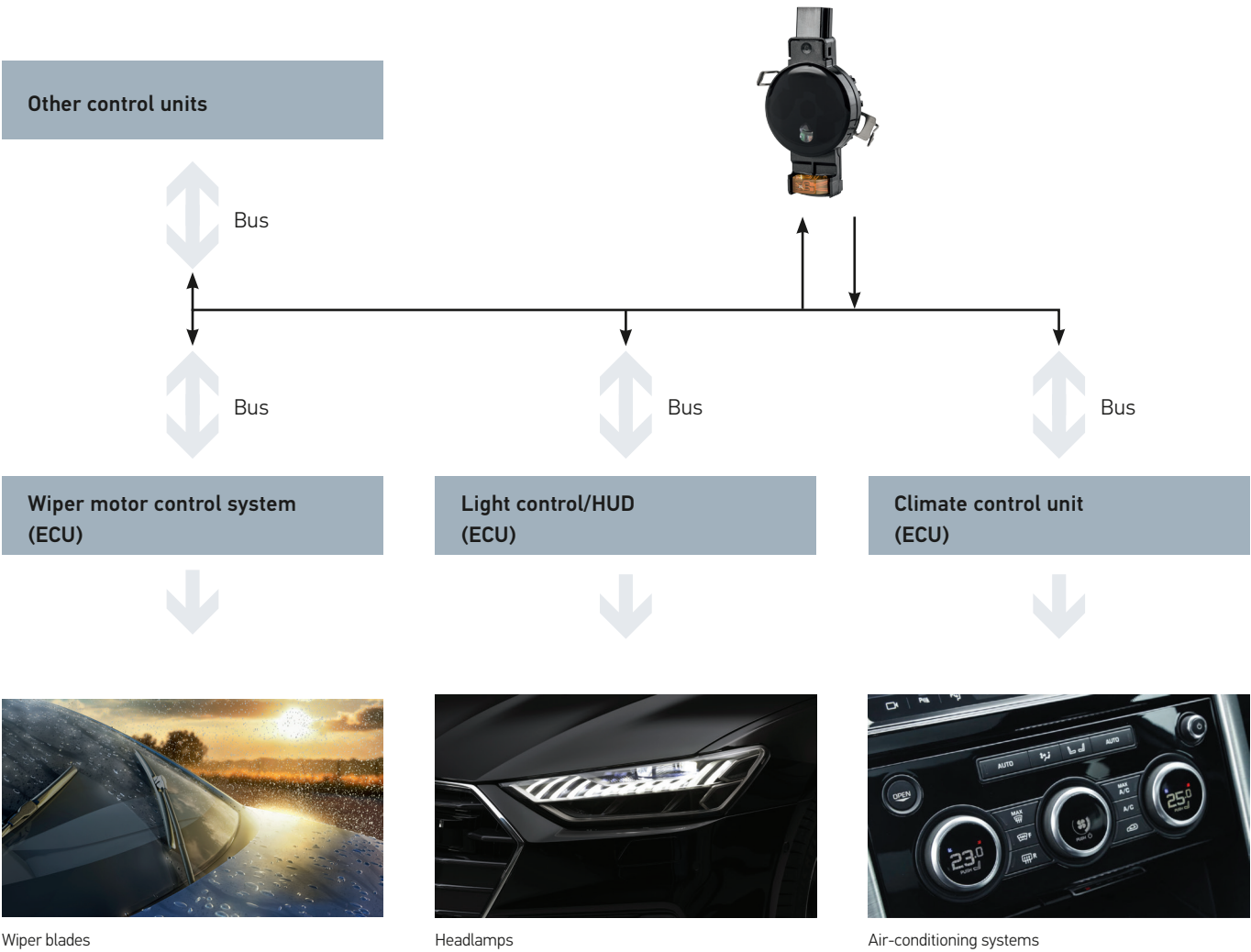
Connector
- 4

Transparent optics for surrounding light detection
- 5

Humidity sensor



The system overview illustration shows an option for how the sensor communicates with other system components in the vehicle via the LIN interface. Here the sensor is switched on by the overriding control unit and supplied with voltage. It thus provides the system with information, however it does not have direct access to the system itself.



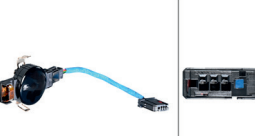
HELLA RAIN/LIGHT SENSORS

PRODUCT RANGE

PART NUMBER	PRODUCT IMAGE	YEAR	MAKE	MODEL	COUNTRY OF ORIGIN
011270701		2010-2019	BMW	1 Series M 118i 120i 125i 135i 320i 325i 328i GT xDrive 330i GT xDrive 335i 335i GT xDrive 335is 340i 340i GT xDrive 340i xDrive 420i 420i Gran Coupe 428i 428i Gran Coupe 428i xDrive 428i xDrive Gran Coupe 430i Gran Coupe 430i xDrive 430i xDrive Gran Coupe 435i 435i Gran Coupe 435i xDrive 435i xDrive Gran Coupe X5 X6	CN
011790701		2011-2019	BMW	118i 120i 220i 228i 228i xDrive 320i 320i xDrive 328d xDrive 328i 328i GT xDrive 328i xDrive 335i 335i GT xDrive 335i xDrive 340i 340i GT xDrive 340i xDrive 420i 428i 428i Gran Coupe 428i xDrive 428i xDrive Gran Coupe 435i 435i Gran Coupe 435i xDrive 435i xDrive Gran Coupe i3 i8 X1	CN
011808701		2011-2019	BMW	118i 120i 220i 228i 228i xDrive 320i 320i xDrive 328d xDrive 328i 328i GT xDrive 328i xDrive 335i 335i GT xDrive 335i xDrive 340i 340i GT xDrive 340i xDrive 420i 428i 428i Gran Coupe 428i xDrive 428i xDrive Gran Coupe 435i 435i Gran Coupe 435i xDrive 435i xDrive Gran Coupe 520i 540d xDrive 540i 540i xDrive 740e xDrive 740i 740i xDrive 750i 750i xDrive 750Li xDrive i3 i8 X1 X3 X4	CN
011808841		2012-2020	BMW	228i 228i xDrive 230i 230i xDrive 320i 320i xDrive 328d 328d xDrive 328i 328i GT xDrive 328i xDrive 330i 330i GT xDrive 330i xDrive 335i 335i GT xDrive 335i xDrive 340i 340i GT xDrive 340i xDrive 428i 428i Gran Coupe 428i xDrive 428i xDrive Gran Coupe 430i 430i Gran Coupe 430i xDrive 430i xDrive Gran Coupe 435i 435i Gran Coupe 435i xDrive 435i xDrive Gran Coupe 440i 440i Gran Coupe 440i xDrive 440i xDrive Gran Coupe 530e 530e xDrive 530i 530i xDrive 540d xDrive 540i 540i xDrive 640i xDrive Gran Turismo ActiveHybrid 3 i3 i3s i8 M2 M235i M235i xDrive M240i M240i xDrive M3 M4 M550i xDrive X1 X2 X3 X4	CZ
011807921		2012-2020	BMW Mini Rolls-Royce	320i 320i xDrive 328d 328d xDrive 328i 328i GT xDrive 328i xDrive 330e 330i 330i GT xDrive 330i xDrive 335i 335i GT xDrive 335i xDrive 340i 340i GT xDrive 340i xDrive 430i 430i Gran Coupe 430i xDrive Gran Coupe 440i 440i Gran Coupe 440i xDrive 440i xDrive Gran Coupe 530e 530e xDrive 530i 530i xDrive 540d xDrive 540i 540i xDrive 640i xDrive Gran Turismo 740e xDrive 740i 740i xDrive 750i 750i xDrive ActiveHybrid 3 Alpina B7 Cooper Countryman Cullinan i8 M2 M3 M4 M550i xDrive M760i xDrive Phantom X1 X2 X3 X4	CN
011012831		1998-2009	Audi Seat Volkswagen	A4 A4 Quattro A6 A6 Quattro A8 Quattro Alhambra Allroad Quattro Beetle Bora Golf Jetta Passat Phaeton S4 S6 Sharan Touareg	DE

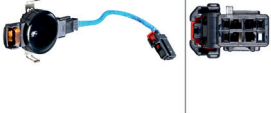
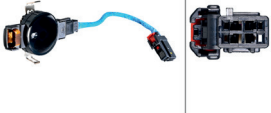
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PART NUMBER	PRODUCT IMAGE	YEAR	MAKE	MODEL	COUNTRY OF ORIGIN
011012831		2013-2020	Buick	Encore	IT
011014821		2013-2019	Buick	Cascada Encore	CN
011014831		2015-2017	Buick	Verano	DE
011178891		2017-2020	Buick	Regal Regal Sportback Regal TourX	CN
011178901		2017-2018	Buick Cadillac	Envision XT5	DE
011012881		2013-2018	Buick Cadillac Chevrolet GMC	ATS CT6 CTS Envision Escalade Impala SRX Suburban Tahoe XT5 XTS Yukon	CN
011178861		2009-2019	Cadillac	CTS	DE
NEW!					
935197371		2017-2023	Cadillac	XT5 XT6	

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PART NUMBER	PRODUCT IMAGE	YEAR	MAKE	MODEL	COUNTRY OF ORIGIN
NEW! 935197421		2023-2024	Cadillac	CT4 CT5	
NEW! 935197431		2022-2024	Cadillac GMC	Escalade ESV LYRIQ Yukon Yukon XL	
011012821		2017-2020	Chevrolet	Bolt EV	US
012008891		2014-2019	Ford	Transit Transit Custom	DE
012007151		2017-2021	Ford Lincoln	Continental Escape	MT
012007161		2018-2020	Lincoln	Aviator Navigator	CN
011465701		2011-2019	Nissan	Juke LEAF Note	CN
011976701		2017-2019	Volvo	S60 S90 V60 V90 XC60	ES

HELLA RAIN/LIGHT SENSORS

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

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