



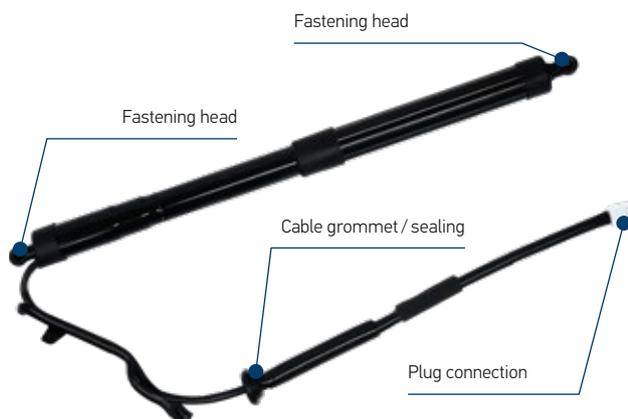
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# BRIEF INFORMATION

## Electric hatchback/tailgate actuator

- Comfort and convenience: automatic opening and closing at the touch of a button or with a gesture
- Safety: obstacle detection and anti-trap protection
- Integration: compatible with modern vehicle electrical systems
- Reliability: durable and weatherproof for continuous use

### PRODUCT FEATURES



#### Application

Electric hatchback/tailgate actuators enable the hatchback/tailgate to be opened and closed conveniently, safely and automatically. They are a central component of modern comfort systems and, depending on the system integration, are controlled by pressing a button, using a remote control device or by means of gesture control.

#### Design and function

The electric hatchback/tailgate actuator is a central component of modern comfort systems and enables the hatchback/tailgate to be opened and closed automatically. An electric motor drives a threaded spindle in the actuator. This creates a linear movement with which the hatchback/tailgate is opened or closed. In the course of such an action, integrated sensors monitor the position and movement of the actuator.

This control happens via a higher-level control unit that handles communication with the vehicle electrical system. The sensors integrated in the actuator can also be used to implement safety functions such as anti-pinch protection and obstacle detection.

The actuator is mechanically mounted via fastening heads at the ends, which are plugged on to ball studs on the vehicle body and the hatchback/tailgate. A spring integrated in the fastening head holds the actuator on the ball stud. This creates a flexible, movable connection that ensures reliable power transmission.

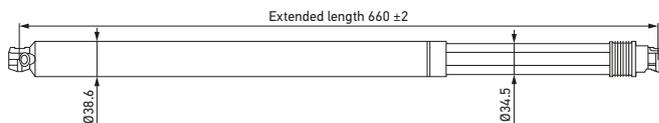
# TECHNICAL DETAILS

## Technical data

Operating voltage range 12 V DC

## Dimensional sketch

Product: 6NW 358 425-011



## PROGRAM OVERVIEW\*

Application	OE number	Part number
<b>Audi</b>		
Q5/SQ5 2017-2020 LH/RH	80A827851A	<b>6NW 358 425-511</b>
Q3 QUATTRO 2015-2018 LH/RH	8U0827851	<b>6NW 358 425-561</b>
A5&S5 Sportback 2017-2022 LH/RH	8W8827851	<b>6NW 358 425-581</b>
Q8 2019-2020 LH/RH	4M8827851D	<b>6NW 358 425-591</b>
E-Tron 2018-2020 LH/RH	4KE827851F	<b>6NW 358 425-871</b>
Q2 2016- LH/RH	81A827851	<b>6NW 358 425-881</b>
Q3 Sportback 2018- LH/RH	83F827851D	<b>6NW 358 425-891</b>
Q3/RSQ3 2018- LH/RH	83A827851D	<b>6NW 358 425-901</b>
Q5/SQ5 Sportback 2022- LH/RH	80F827851A	<b>6NW 358 425-911</b>
<b>BMW</b>		
X3 F25 2011-2014 RH	51247232004	<b>6NW 358 425-181</b>
X3 F25 2011-2014 LH	51247232003	<b>6NW 358 425-201</b>
X6 F16 2015-2019 LH	51247434043	<b>6NW 358 425-221</b>
X6 F16 2015-2019 RH	51247434044	<b>6NW 358 425-231</b>
X5 E70 E70 LCI 2007-2013 RH	51247332696	<b>6NW 358 425-291</b>
X6 F16 2015-2019 RH	51247318652	<b>6NW 358 425-301</b>
X6 F16 2015-2019 LH	51247318651	<b>6NW 358 425-311</b>
X5 E70 E70 LCI 2007-2013 LH	51247332695	<b>6NW 358 425-381</b>
X6 E71 2007-2014 LH	51247332697	<b>6NW 358 425-411</b>
X6 E71 2007-2014 RH	51247332698	<b>6NW 358 425-441</b>
X4 F26 2015-2017 LH	51247339431	<b>6NW 358 425-451</b>
X4 F26 2015-2017 RH	51247339432	<b>6NW 358 425-491</b>
X1 F48 2016-2017 LH/RH	51247350837	<b>6NW 358 425-671</b>
3 Series F31/F31N 2012-2019 LH	51247340975	<b>6NW 358 425-691</b>
3 Series F31/F31N 2012-2019 RH	51247340976	<b>6NW 358 425-711</b>
X5 F15 2014-2017 RH	51247294470	<b>6NW 358 425-721</b>
5 F10 F18 2011-2016 LH	51247207009	<b>6NW 358 425-741</b>
X5 F15 2014-2017 LH	51247294469	<b>6NW 358 425-751</b>
5 F10 F18 2011-2016 RH	51247207010	<b>6NW 358 425-761</b>
2 Series F45 2014-2018 LH/RH	51247348523	<b>6NW 358 425-921</b>
2 Series F46 2014-2018 LH/RH	51247365979	<b>6NW 358 425-931</b>
3 Series GT F34 2013-2020 LH	51247298983	<b>6NW 358 425-941</b>
3 Series GT F34 2013-2020 RH	51247298984	<b>6NW 358 425-951</b>
5 G30 G38 F90 2016-2020 RH	51247366404	<b>6NW 358 425-961</b>

Application	OE number	Part number
5 G31 2017- LH/RH	51249482791	<b>6NW 358 425-971</b>
5 G31 2017- LH/RH	51248494106	<b>6NW 358 425-981</b>
X1 F48 F49 2018 RH	51247481807	<b>6NW 358 425-991</b>
X3 G01 G08 F97 2018- RH	51247397322	<b>6NW 358 426-001</b>
X5 F15 F85 2014-2018 LH	51247434041	<b>6NW 358 426-011</b>
X5 F15 F85 2014-2018 RH	51247434042	<b>6NW 358 426-021</b>
X5 G05 2019-2020 LH/RH	51249482800	<b>6NW 358 426-031</b>
X5 G05 2019-2020 LH/RH	51247441799	<b>6NW 358 426-041</b>
<b>Cadillac</b>		
Escalade 2015-2020 LH	84306929	<b>6NW 358 425-551</b>
<b>Chevrolet</b>		
Equinox 2018-2020 LH	84569355	<b>6NW 358 425-861</b>
<b>Ford</b>		
Explorer 2014-2015 LH	FB5Z14B351A	<b>6NW 358 425-241</b>
Mondeo 2015-2020 LH	DS73N402A55AE	<b>6NW 358 425-321</b>
KUGA & Escape 2013-2019 LH	CJ54S402A55AD	<b>6NW 358 425-541</b>
Explorer 2016-2019 LH	GB5Z14B351A	<b>6NW 358 425-781</b>
Edge 2015-2018 LH	FT4Z14B351A	<b>6NW 358 425-801</b>
Edge 2011-2014 LH	BT4378402A55AL	<b>6NW 358 425-811</b>
<b>Honda</b>		
CR-V 5-DOOR 2017-2020 LH	74961TLA305	<b>6NW 358 425-841</b>
<b>Hyundai</b>		
Tucson 2016-2019 RH	81780D3100	<b>6NW 358 425-481</b>
Tucson 2016-2019 LH	81770D3100	<b>6NW 358 425-521</b>
Santa Fe 2013-2016 LH	81771B8100	<b>6NW 358 425-701</b>
Santa Fe 2013-2016 RH	81780B8100	<b>6NW 358 425-731</b>
Santa Fe Sport/ix45 2015-2018 LH	817702W600	<b>6NW 358 425-831</b>
<b>Infiniti</b>		
QX60 2013-2016 LH/RH	905603JA0A	<b>6NW 358 425-791</b>
<b>Jeep</b>		
Cherokee 2015-2019 LH	68231345AC	<b>6NW 358 425-601</b>
Grand Cherokee 2011-2012 LH	55399277AD	<b>6NW 358 425-771</b>
Grand Cherokee 2012-2021 LH	68333901AD	<b>6NW 358 425-821</b>

\* You can get an up-to-date overview of the product range in TecDoc or in your local catalogue.

# PROGRAM OVERVIEW\*

Application	OE number	Part number
<b>Kia</b>		
Sorento 2016-2020 LH/RH	81770C5100	<b>6NW 358 425-531</b>
EV6 2022-2023 LH	81831CV100	<b>6NW 358 426-051</b>
Sportage 2021-2023 LH	81830R2100	<b>6NW 358 426-061</b>
<b>Land Rover</b>		
Sport 2010-2013 LH/RH	LR051443	<b>6NW 358 425-191</b>
Discovery Sport 2014-2017 LH/RH	LR075420	<b>6NW 358 425-341</b>
Evoque 2011-2019-LH/RH	LR061667	<b>6NW 358 425-471</b>
Sport 2014-2020 LH/RH	LR044161	<b>6NW 358 425-651</b>
Evoque 2020- LH/RH	LR114632	<b>6NW 358 426-071</b>
Velar 2017- LH/RH	LR126176	<b>6NW 358 426-081</b>
<b>Lexus</b>		
NX 2015-2017 LH	6892079016	<b>6NW 358 425-331</b>
NX 2015-2017 RH	6891079016	<b>6NW 358 425-351</b>
<b>Mazda</b>		
CX-5 2017-2021 LH	KD5L636EXB	<b>6NW 358 425-611</b>
CX-5 2017-2021 RH	KD5L626EXB	<b>6NW 358 425-621</b>
CX30 2021- LH	DHB7636EXC	<b>6NW 358 426-091</b>
CX30 2021- RH	DHB7626EXC	<b>6NW 358 426-101</b>
<b>Mercedes-Benz</b>		
CLA X117 2013-2019 LH	A1178900130	<b>6NW 358 426-111</b>
GLA (X156)2013-2020 LH	A1568900230	<b>6NW 358 426-121</b>
GLC C253 2017-2021 LH	A2538900600	<b>6NW 358 426-131</b>
GLE C292 2015-2018 LH	A2928900300	<b>6NW 358 426-141</b>
GLE C292 2015-2018 RH	A2928900400	<b>6NW 358 426-151</b>
GLE W167 2020-2022 LH	A1678901000	<b>6NW 358 426-161</b>
W166 2013-2015 RH	1668901130	<b>6NW 358 425-271</b>
GLE 2016-2019 RH		
GL GLS (X166) 2013-2019 RH	A1668900100	<b>6NW 358 425-501</b>
<b>Nissan</b>		
Rogue / X-trail 2014-2019 LH/RH	905614BA4A	<b>6NW 358 425-211</b>
<b>Peugeot</b>		
3008 2018- LH	9830770280	<b>6NW 358 426-171</b>
3008 2018- RH	9830769680	<b>6NW 358 426-181</b>
<b>Porsche</b>		
Cayenne 2011-2014 LH/RH	95851285104	<b>6NW 358 425-281</b>
Cayenne 2015-2017 LH/RH	95851285107	<b>6NW 358 425-571</b>
Macan 2014-2017 LH/RH	95B827851B	<b>6NW 358 425-641</b>
Cayenne 2018 LH/RH	9Y0827851A	<b>6NW 358 426-191</b>
Panamera 2017-2020 LH/RH	971827851	<b>6NW 358 426-201</b>
<b>SEAT</b>		
Ateca 2016-2020 LH	575827851C	<b>6NW 358 425-061</b>
Ateca 2016-2020 RH	575827852C	<b>6NW 358 425-071</b>

Application	OE number	Part number
<b>Škoda</b>		
Octavia III Combi (5E) 2012-2020 LH	5E9827851F	<b>6NW 358 425-011</b>
Octavia III Combi (5E) 2012-2020 RH	5E9827852F	<b>6NW 358 425-021</b>
SuperB III Gen. Combi 2015-2020 LH	3V9827851B	<b>6NW 358 425-031</b>
SuperB III Gen. Combi 2015-2020 RH	3V9827852B	<b>6NW 358 425-091</b>
SuperB II Gen. Combi 2010-2015 LH	3T9827851C	<b>6NW 358 425-121</b>
SuperB II Gen. Combi 2010-2015 RH	3T9827852C	<b>6NW 358 425-141</b>
SuperB III Gen Liftback 2016-2020 LH/RH	3V0827851A	<b>6NW 358 425-171</b>
Karoq 2018- RH	57A827852	<b>6NW 358 425-251</b>
Karoq 2018- LH	57A827851	<b>6NW 358 425-261</b>
Kamiq 2019-LH	658827851B	<b>6NW 358 425-661</b>
Kamiq 2019-RH	658827852B	<b>6NW 358 425-681</b>
Enyaq IV 2021- LH	5LG827851B	<b>6NW 358 426-211</b>
Octavia IV Kombi 2019-	5E7827851A	<b>6NW 358 426-221</b>
Octavia IV Sedan / Liftback 2020- LH/RH	5E6827851	<b>6NW 358 426-231</b>
SuperB III Gen. Estate 2016-2023 LH	3V9827851D	<b>6NW 358 426-241</b>
<b>Tesla</b>		
Model 3 2016-2020 LH	155148898B	<b>6NW 358 425-851</b>
Model S 2012-2019 RH	600661000B	<b>6NW 358 426-251</b>
Model X 2015-2020 RH	106566400B	<b>6NW 358 426-261</b>
Model Y 2019- LH	1500601-00-A	<b>6NW 358 426-271</b>
<b>Toyota</b>		
RAV4 2013-2018 LH	6892009010	<b>6NW 358 425-051</b>
RAV4 2013-2018RH	6891009010	<b>6NW 358 425-081</b>
Highlander 2014-2019 RH	6891009120	<b>6NW 358 425-151</b>
Highlander 2014-2019 LH	6891009130	<b>6NW 358 425-161</b>
RAV4 2019- LH	6892042020	<b>6NW 358 425-421</b>
RAV4 2019- RH	6891042060	<b>6NW 358 425-431</b>
<b>Volkswagen</b>		
Sharan 2010-2019 LH/RH	7N0827851E	<b>6NW 358 425-001</b>
Touran L 2015-2021 LH/RH	5TA827851C	<b>6NW 358 425-361</b>
Touareg 7P 2010-2018 LH/RH	7P6827851D	<b>6NW 358 425-371</b>
Passat B8 combi 2014-2020 LH/RH	3G9827851C	<b>6NW 358 425-401</b>
T-Roc 2018-2021 LH	2GA827851B	<b>6NW 358 425-631</b>
CC/Arteon 2019- LH/RH	3G8827851B	<b>6NW 358 426-281</b>
ID.5 2022- LH/RH	11E827851B	<b>6NW 358 426-291</b>
Passat B8 Estate 2019- LH	3G9827851G	<b>6NW 358 426-301</b>
<b>Volvo</b>		
XC60 2012-2015 RH	31386706	<b>6NW 358 425-041</b>
XC60 2012-2015 LH	31386705	<b>6NW 358 425-101</b>
V60 2019- LH/RH	32357571	<b>6NW 358 425-111</b>
XC90 2016-2019 LH/RH	31457610	<b>6NW 358 425-131</b>
XC40 2020- RH	32296297	<b>6NW 358 425-391</b>
XC40 2020- LH	32296296	<b>6NW 358 425-461</b>
V90 2017-2019 LH	31385256	<b>6NW 358 426-311</b>
V90 2017-2019 RH	31385257	<b>6NW 358 426-321</b>

# Q&A



## – Electric hatchback/tailgate actuator –

### 1 What is the task of an electric hatchback/tailgate actuator?

The actuator ensures convenient, safe and automatic opening and closing of the hatchback/tailgate. It is a central element of modern comfort systems and is activated at the touch of a button, by using a remote control device or by means of gesture control, depending on the system integration.

### 2 How does the actuator work?

An electric motor drives a threaded spindle in the actuator, generating a linear movement that enables the hatchback/tailgate to be opened and closed. In the course of such an action, integrated sensors monitor the position and movement of the actuator. Control happens by means of a control unit that is networked with other vehicle systems via a data bus. This ensures precise movement, while obstacle detection and anti-trap protection provide the necessary safety.

### 3 In which vehicles is it used?

The actuator is installed in a large number of modern vehicles, e.g. Audi, Mercedes-Benz, Nissan, Opel, Porsche, Tesla, VW and many more. HELLA covers a wide range of applications – ranging from volume models to premium vehicles.

### 4 Why does it need to be replaced?

Mechanical or electrical defects can cause faults when the hatchback/tailgate is opened and closed, as can internal short circuits or contact faults on the actuator's plug connection. A failure not only impairs the comfort function, but it can also pose a safety risk.

### 5 What advantages does the HELLA hatchback/tailgate actuator offer wholesalers?

The HELLA actuator impresses with its high load-bearing capacity for stable performance and also because of its robust, weatherproof design that is optimised for continuous use. Reliable safety functions such as the anti-pinch protection contribute to injury prevention, while the broad market coverage ensures that suitable solutions for a wide range of vehicle manufacturers are on offer.

### 6 What market opportunities are there for wholesalers?

More and more vehicles are being equipped with electric hatchbacks/tailgates as standard, from compact cars to premium SUVs. This trend is significantly increasing the need for spare parts and is creating a steady demand in the aftermarket. HELLA is planning a constant expansion of its program so that wholesalers can benefit from this growing trend at an early stage.