



Hella KGaA Hueck & Co.
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Technical Bulletin

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No.:

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Subject:

SWA – Spurwechselassistent (Lane Change Assistant)

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Org: E-ED-DAS-DR

Ref.:

Enclosures:

Short Description

The SWA system is an advanced driver assistant system, to warn the driver of the subject vehicle against potential collisions with vehicles to the side and/or to the rear of the subject vehicle, and moving in the same direction as the subject vehicle during lane change manoeuvres. The system therefore detects vehicles to the rear and sides of the subject vehicle.

When the subject vehicle driver indicates the desire to make a lane change, the system will evaluate the situation and warn the driver if a lane change is not recommended. SWA is not meant to encourage aggressive driving. The absence of a warning will not guarantee that the driver can safely make a lane change manoeuvre. The system will not take any automatic action to prevent possible collisions. Responsibility for the safe operation of the vehicle remains with the driver.

Technical Data

| | |
|-----------------------------|-------------------------|
| Part Numbers | SWA 1.7 |
| Supply Voltage & Current | 9 V ... 15 V 0,5 A |
| EIRP | < +12,7 dBmW |
| Transmit Antenna Gain | 16 dBi |
| Antenna Type | microstrip patch array |
| Modulation | FMCW |
| Frequency Band 1 | 24075 MHz ... 24175 MHz |
| Modulation Bandwidth | < 100 MHz |
| Frequency Band 2 | 24150 MHz ... 24250 MHz |
| Modulation Bandwidth | < 100 MHz |
| Operating Temperature Range | -40...+70°C |
| Number of PCBs | 2 |
| Dimensions | 102 * 86 * 34 mm |
| Volume | < 300 cm ³ |
| Weight (OEM-value) | < 265 g |
| Housing material | Al diecasting |

signed by:

checked by: