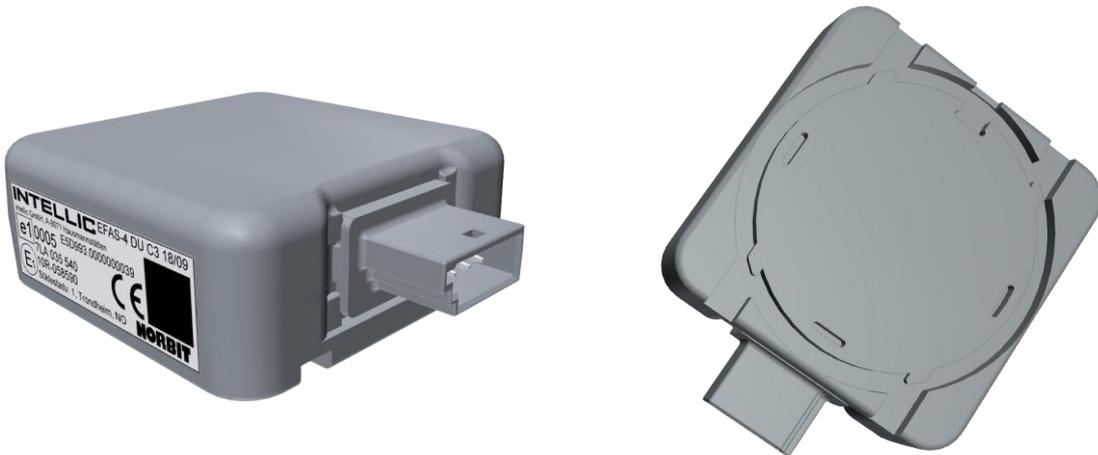


EFAS DSRC Unit V1.0

Technical data sheet



Highlights of EFAS DSRC Unit

- The EFAS DSRC Unit is a remote communication facility for the EFAS Smart Tachograph according to REGULATION (EU) No 165/2014 and COMMISSION IMPLEMENTING REGULATION (EU) 2016/799 Annex 1C Appendix 14.
- The EFAS DSRC Unit is fully compatible with the EFAS Smart Tachograph.
- According to REGULATION (EU) No 2016/799 the remote communication facility has to be mounted at the top- or bottom-center of the windscreen. Correspondingly the EFAS DSRC Unit can be mounted as it is, upon request integrated in a special designed housing or into another vehicle interior component (e.g. near the rain sensor at the windscreen).
- The compact EFAS DSRC Unit complies with the relevant ETSI standards (ETSI EN 300 674-2-2, ETSI TS 102 486-1, ETSI TS 102 486-2) and with EN standards 14906 and 15509.
- The EFAS DSRC Unit is connected via an optional connection cable (power from vehicle, CAN-C from EFAS).
- The special designed DSRC 5.8 GHz antenna enables a wide range DSRC communication zone for value added services in the future.
- The EFAS DSRC Unit is intended for use as remote communication facility for the EFAS Smart Tachograph according to CIR EU 2016/799 incl. amendment CIR EU 2018/502.

Vehicle Integration

- CAN interface according to ISO 11898-2
- Smart Tachograph DSRC CAN communication protocol
- CAN data rates: 250 kBit/s
- Power connection: ground/ignition
- Power supply range: 7.2 V to 32 V
- Typical power consumption: <350 mW @ 12 V (active)
<350 mW @ 24 V (active)

Technical Data

- Device Version V1.0
- Dimensions [in mm]: 47 × 60 × 19
- Protection class: IP5K4
- Operating temperature: -20 °C to +85 °C
- Storage temperature: -40 °C to +85 °C
- Weight: 32 g

DSRC Communication

- DSRC applications according to CIR EU 2016/799 incl. amendment CIR EU 2018/502
- DSRC antenna beam width: typical up to 90 degrees

Connection

- Connector type: TE 1-1355397-3
- Connection diagram (top view):

