

# ADSS – Autonomous Drive Safety Switch 12 V / Bidirectional



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#### PRODUCT ADVANTAGES:

- 250 A continuous current carrying capacity
- Flexible modular approach 2 + 2 or 3 + 3 or 4 + 4 configurations possible
- Communication CAN / LIN optional
- Optional: Short-circuit detection and switch off up to 450 A @ 10  $\mu$ H
- Current measurement
- Temperature measurement
- Voltage measurement
- Additional functions can be integrated

#### USE CASES:

- Safety switch for high safety 12 V board
- Various ASIL variants up to ASIL D
- 12 V loads as bidirectional isolating switch, in particular also regenerative loads
- 12 V battery switch as
  - bidirectional battery switch (external)
  - bidirectional switch between two battery stacks
- Separation of safety relevant sub-grid for autonomous drive safety functions

Eberspächer Controls Landau GmbH & Co. KG

Max-Planck-Str. 3 | 76829 Landau | GERMANY | Phone: +49 6341 9880-0 | info-controls@eberspaecher.com | www.eberspaecher.com

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