



FlexInterlock-S

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BENEFITS

- HV interlock generation for test benches
- Interlock for prototypical HV components
- Activation via KL15 signal

HV INTERLOCK GENERATOR UNIT

FlexInterlock-S is a module for use in test benches that recreates the functionality of an HV battery's HV interlock. For this, an HV interlock signal is generated.

FUNCTION GENERATION

Via a push-pull output, the generator module creates a PWM signal with a frequency of 88 Hz, a pulse duty factor of 50% and a voltage lift of 0 V to 12 V (KL30). The resulting alternating signal current has a value of 20 mA (10 mA or 30 mA available on demand).

FlexInterlock-S

CHARACTERISTICS

- Recreation of an HV interlock's functionality for use in test benches
- Generation of an interlock signal (signal current 20 mA)
- If desired, the interlock generator can be switched on and off via a KL.15 signal.

FIELDS OF APPLICATION

- Test benches/Hardware in-the-loop
- Error analysis in HV interlock circuits
- End-of-line tests
- Prototypical HV components

ORDER NUMBER

70007486

PRODUCT-SPECIFIC VARIATIONS

- 10 mA/30 mA interlock signal current on demand
- Alternatively available as FlexInterlock-M with interlock generator unit and evaluation unit variation
(Order number 7000443, with analysis unit)

ACCESSORIES (OPTIONAL)

- Connector cable with customer-specific patch plugs on demand

SCOPE OF DELIVERY

- FlexInterlock-S
- Connector cable (MQS on banana sockets)
- Manual

TECHNICAL DATA

	FlexInterlock-S
Supply voltage	+9 VDC to +16 VDC
Supply current	150 mA (max.)
Operation temperature	0 °C to 75 °C
Requency interlock signal	88 Hz (+/- 2%)
Pulse duty factor interlock signal	50% (+/- 2%)
Edges interlock signal	0.01 V/μs to 0.1 V/μs
Signal current	20 mA (10 mA/30 mA on demand)
Casing/saftey class	107 x 109 x 34 mm / IP 41
Weight	app. 250 g