

Micro-Switch

Developed and manufactured in
GERMANY

NEW!

**Rise and fall times
of less than 1 μ s!**



MICRO INTERRUPTIONS

Micro-Switch **TOE 9260**

TOELLNER[®]

Micro-Switch TOE 9260

Electronic Switch for micro TOP-interruptions

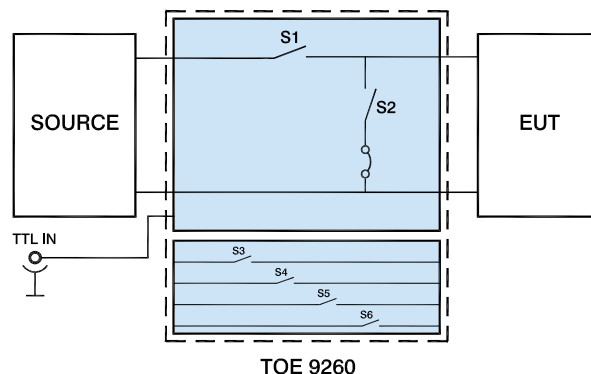
The new Electronic Switch TOE 9260 is the first choice for generating micro interruptions in supply voltages. Conforms ideally to LV124/ VW80000 Vehicle Electric System test standards.

Depending on the model, currents of up to 100 A can be switched at a rated voltage of up to 60 V.

Special Features

- Rated voltage 60 V DC
- Rated current 50 A DC / 100 A DC
- Rise and fall time < 1 μ s
- Short-Circuit-protection
- Discharge of circuit load
- Switchable input capacitor
- 4 signal line switches
- Signal Generator Control (TTL level)

While testing vehicle power systems according to standards, it is necessary to momentarily interrupt supply voltages. This can easily be accomplished and executed with the Toellner Model TOE 9260 Micro Switch, operating between <10 μ s, and nearly unlimited duration.



Any voltage source of up to 60 V DC with appropriate current rating can be connected to the input.

Using an external signal generator, the current flow can be interrupted by switch "S-1" on demand. Discharging the load circuit can be accomplished by another internal switch "S-2" during the interruption process of the load current.

Four additional signal line switches ("S-3" thru "S-6") enable precise switching and interruption of signal lines and control lines in any current flow direction. Control of these switches ("S-3" thru "S-6") takes place synchronously with "S-1".

Technical specifications

	TOE 9260-50	TOE 9260-100
Input Voltage	max. 60 V	max. 60 V
Output current DC	50 A	100 A
Switch-on peak current	300 A	300 A
Rise time / fall time (tr, tf) @ 1 Ω or 100 Ω	< 1 μ s	< 1 μ s
Control voltage (trigger)	TTL-Level, max. $\pm$ 20 V	TTL-Level, max. $\pm$ 20 V
Signal line switches	$\pm$ 60 V, $\pm$ 1 A	$\pm$ 60 V, $\pm$ 1 A
Rise time / fall time (tr, tf) @ 100 Ω	< 0,5 μ s	< 0,5 μ s
@ 1 Ω oder 1000 Ω	< 10 μ s	< 10 μ s

Micro-Switch TOE 9260

General data

Supply voltage	90–264 V, 47–63 Hz
Power consumption	approx. 35 VA
Operating temperature	0 °C bis 40 °C
Storage temperature	-20 °C bis 70 °C
Reference temperature	23 °C ± 1 °C
Cooling	Thermostatically-controlled fan
Dimensions (WxHxD) (WxHxD with feet)	224 x 88 x 325 mm 224 x 104 x 325 mm
19" system	½ 19", 2 HU
Weight	Approx. 4 kg
Housing	Aluminum / steel

Ordering data

Micro-Switch	
TOE 9260-50	60 V / 50 A
TOE 9260-100	60 V / 100 A

Options / accessories

Micro-Switch	
TOE 9260/22	0,50 m connecting cable with 1 safety socket, red
TOE 9260/23	0,50 m connecting cable with 1 safety socket, blue
TOE 9260/24	1,20 m connecting cable with 1 safety socket, red
TOE 9260/25	1,20 m connecting cable with 1 safety socket, blue
TOE 9521	19" adapter 2 HU, for single installation
TOE 9522	19" adapter 2 HU, parallel installation set for 2 units
TOE 9260/100	Reference resistor unit 1 Ω, 100 Ω, 1 kΩ

Supplied accessories

- 1 Instruction manual
- 1 Shorting link / Connecting plug
- 2 connector sockets S 3 – S 6



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