



Rottweil, 25.07.2021

Toggle Relay time limited M3 12 V (1.001.19x.xxE)

The Toggle Relay is used to switch loads on and off via pushbutton operation.

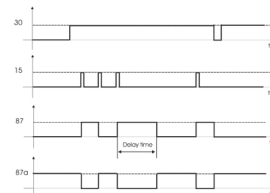
Circuit diagram S1: With the step switching relay a consumer can be switched via a button. If a positive/negative impulse is applied to Terminal 15, the relay switches and holds itself. Another impulse is switched on again (Power surge switch or toggle flip-flop). The terminal 15 is debounced.
Circuit diagram S2: The contacts are separate from the control and can therefore be used in links. In this variant, the relay contact is completely potential-free and thus capable of switching alternating voltage. Housing forms can be found in the section housing and basic body.

Product images

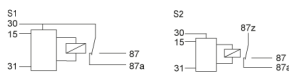
1. Toggle Relay time limited M3 12V



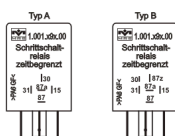
4. function diagram



2. connection diagram



3. design





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General Data

Name	Value
Dimensions	30 × 30 × 40 mm
Housing material	Plastic
Type-approval number	05 7282
Type-approval	E1 - ECE R10
Number of pins	5
In-/Outputs (total)	1
Operating voltage	12 V

Technical Data

Name	Value
Number of pins	5
In-/Outputs (total)	1
Outputs (total)	1
Relay outputs	1
Processor	8 bit
Temperature range	-40 to 85 °C
Protection class	IP53
Operating voltage	12 V
Max. output current (87, 87a)	30 A
Quiescent current (12V)	1 mA
Time delay	By customer request
Lifetime	Mechanical: 10.000.000, Electrical: 100.000 by 15A
Programming system	MRS Realizer

Accessories

Required accessories	Article number
Software programming tool MRS Realizer	1.100.000.01
Socket ST FL 9-pin 5 x 6.3 / 4 x 2.8	1.017.002.00
Socket package watertight 40 mm	1.017.010.40
FASTON terminal for latching 2.8 mm 0.5 – 1.0 mm ²	105292
FASTON terminal for latching 6.3 mm 1 mm ²	102355
FASTON terminal for latching 6.3 mm 1.5 – 2.5 mm ²	103064



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Required accessories

Article number