



Rottweil, 17.09.2021

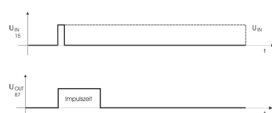
Pulse Relay adjustable 12 V (1.022.11x.xxE)

Pulse relays can be adjusted when loads are to be switched on or off for a time-defined range. You can choose from five time ranges by default (see table). Within the selected time range, the pulse time can be changed via potentiometer. We realize other time ranges on request. Please specify the desired time range when ordering.

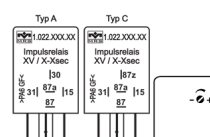
Circuit diagram S1: Operating voltage is applied to terminal 30. If the voltage is fixed briefly or permanently at Terminal 15, the relay will immediately pull on the set time and then fall off again.
 Circuit diagram S2: Operating voltage is applied to terminal 87z. If the voltage is short or permanent at Terminal 15, the relay will immediately pull in for the set time and then fall off again. Control and contacts are separated from each other and can thus be placed in a chain of links. All schematics: The duration of the control signal does not affect the duration of the output pulse (i.e. the relay is not retriggerable). The exact pulse length can be set with the potentiometer within the given time interval. Housing forms can be found in the section housing and basic body.

Product images

1. Function Diagram



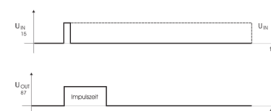
4. Design



2. Pulse Relay adjustable 12 V



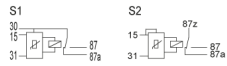
5. Function Diagram



3. Connection Diagram



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General Data

Name	Value
Dimensions	30 × 30 × 40 mm
Housing material	Plastic
Type-approval number	03 3218
Type-approval	e1 – 72/245/EWG
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 family	Texas Instruments MSP 430
Processor	16 bit
Temperature range	-40 to 85 °C
Protection class	IP53
Operating voltage	12 V
Max. output current (87, 87a)	15 A
Quiescent current (12V)	250 µA
Pulse duration	By customer request
Programming system	MRS Realizer

Order options

Name	Type	Model	Connection diagram	Order no.
Pulse Relay adjustable 12 V	A	Individual pulse time (see below)	S1	1.022.115.xxE
Pulse Relay adjustable 12 V	C	Individual pulse time (see below)	S2	1.022.114.xxE
Pulse Relay adjustable 12 V	A	Time Interval: 0,5 - 5	S1	1.022.115.01E



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Name	Type	Model	Connection diagram	Order no.
V		seconds		
Pulse Relay adjustable 12 V	A	Time Interval: 1 - 30 seconds	S1	1.022.115.02E
Pulse Relay adjustable 12 V	A	Time Interval: 0,5 - 60 seconds	S1	1.022.115.03E
Pulse Relay adjustable 12 V	A	Time Interval: 30 - 900 seconds	S1	1.022.115.04E
Pulse Relay adjustable 12 V	A	Time Interval: 0,5 - 4000 seconds	S1	1.022.115.05E
Pulse Relay adjustable 12 V	C	Time Interval: 0,5 - 5 seconds	S2	1.022.114.01E
Pulse Relay adjustable 12 V	C	Time Interval: 1 - 30 seconds	S2	1.022.114.02E
Pulse Relay adjustable 12 V	C	Time Interval: 0,5 - 60 seconds	S2	1.022.114.03E
Pulse Relay adjustable 12 V	C	Time Interval: 30 - 900 seconds	S2	1.022.114.04E
Pulse Relay adjustable 12 V	C	Time Interval: : 0,5 - 4000 seconds	S2	1.022.114.05E

Accessories

Required accessories	Article number
Software programming tool MRS Realizer	1.100.000.01
Housing bracket	1.017.080.00
Socket ST FL 9-pin 5 x 6.3 / 4 x 2.8	1.017.002.00
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