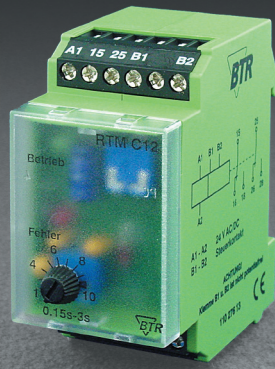


Measuring and Monitoring Relays

Pulse Shaper



RTM-C12

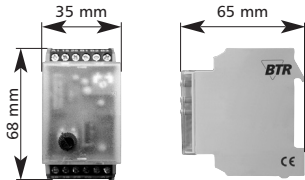
24 V AC/DC or 230 V AC - 2 changeover contacts

- pulse shaper
- selectable pulse length
- LED indication

Part Numbers

110 276 13	24 V AC/DC
110 276 05	230 V AC

Housing Dimensions



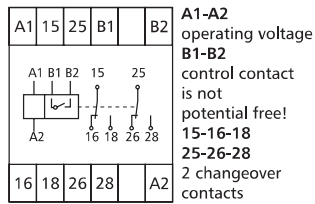
Description

The timer relay is used for pulse prolongation or limitation. If the control contact is closed for at least 5 ms the relay pulls on and releases at the end of the selected pulse time. Additional control pulses appearing during this pulse time do not have any effect.

Technical Data

nominal voltage U_B	24 V AC/DC, 230 V AC
power consumption at U_B	≤ 15 mA
operating voltage range	$0.85 \dots 1.1 \times U_B$
duty cycle	100 %
release voltage	$\geq 0.15 U_B$
response time t_a	about 20 ms
release time t_r	about 20 ms
recovery time	≥ 20 ms (control contact)
minimum turn-on time	≥ 5 ms (control contact)
pulse time, selectable	0.15 ... 3 s
temperature error	≤ 0.06 % / °C
ambient temperature	-10 °C ... +55 °C

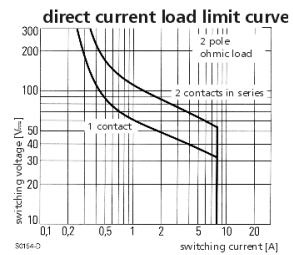
Wiring - 24 V AC/DC



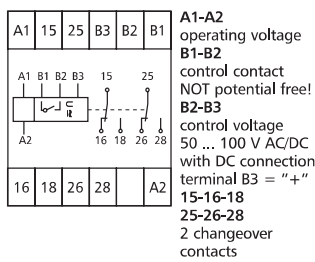
Output

output contact	2 changeover contacts
contact material	AgNi
switching voltage max.	250 V AC/DC
nominal current max.	8 A
making/breaking capacity	230 V ~ 6A AC1 230 V ~ 3A AC3

load limit curve for direct current



Wiring - 230 V AC



Housing

contact fuse	8 A
mechanical endurance	30×10^6 switching cycles
electrical endurance	1×10^5 switching cycles
test voltage coil/contact	4 kV 50 Hz 1 min
type of protection (EN 60529)	housing IP50, terminal blocks IP20
wire cross section	2.5 mm ²
mounting position	any
colour	green
weight	160 g
housing dimensions WxHxL	22.5 x 75 x 100 mm
modular	without spacing

Function Diagram

