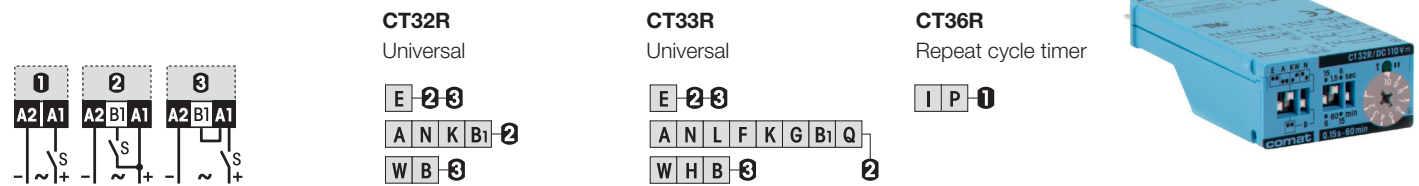


2.4 Time Modules

CT32R, CT33R, CT36R

Multifunction Time Module

Time functions and related connection diagrams (Function diagrams: refer to page 148)



Time data

Type	CT 32R	CT33R	CT36R
Partial time ranges, t_{max}	1.5, 6, 15, 60 /s /min	150, 600 ms	2 x 600 ms
Min. time t_{min}	1.5, 6, 15, 60 /s /min /h	2 x 6, 60 /s /min /h	
Fine adj. range $t_{min} \dots t_{max}$	0.15 s	30 ms	2 x 50 ms
Time range tolerance $t_{min} \dots t_{max}$	1 ... 1 0	0.2 ... 1	2 x 5 ... 60
	-25 ... 0 %	-25 ... 0 %	-25 ... 0 %
	0 ... 25 %	0 ... 25 %	0 ... 25 %
Repetition accuracy	$\pm 0.2 \%$ or 20 ms	$\pm 0.2 \%$ or 20 ms	$\pm 0.2 \%$ or 20 ms
Temperature drift of time	0.1 % / K	0.1 % / K	0.1 % / K
Min. trigger pulse width B1	≥ 30 ms	≥ 30 ms	-
Reset time pow. supply	≤ 150 ms	≤ 150 ms	≤ 150 ms
Voltage failure buffering	≥ 20 ms	≥ 20 ms	≥ 20 ms

Output data

Nominal voltage	110 – 240, 115, 230 V, UC 24-48V, UC 110-240V, DC 110V, UC 115V, UC 230V		
Type	Solid state		
Rated operational current	50 mA		
On-state resistance	$\leq 100 \Omega$		
Leakage current	$\leq 150 \mu A$		

Power supply and control input (UC = AC / DC)

Type	CT36R	CT36R	CT32R
Nominal voltage	UC 24 – 48 V	UC 110 – 240 V	DC 110 V
Operating voltage range	19...60 V	82 ... 265 V	77...138 V
Supply current	6 ... 12 mA	4 ... 8 mA	1...3 mA
Type	CT32R, CT33R	CT32R, CT33R	CT32R, CT33R
Nominal voltage	UC 24 – 48 V	UC 115 V	UC 230 V
Operating voltage range	19 ... 60 V	90 ... 150 V	180 ... 265 V
Input B1 inactive	≤ 9 V	≤ 60 V	≤ 100 V
Supply current	5 ... 11 mA	4 ... 7 mA	1 ... 4 mA

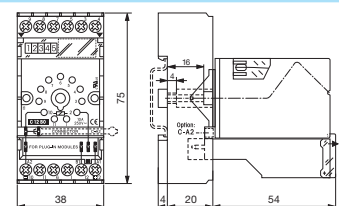
Specification

Ambient temperature storage /operation	-40 ... 85 °C / -40 ... 60 °C (no ice)
Housing material	Lexan
Weight	25 g
mounting	Socket

Product References

CT32R, CT33R, CT36R, UC24-48 V	CT3xR/UC24-48V R
CT36, UC110-240 V	CT3xR/UC110-240V R
CT32, CT33, UC115 V	CT3xR/UC115V R
CT32, CT33, UC230 V	CT3xR/UC230V R

Dimensions



Technical approvals, conformities

