



## Electronic Repeat Cycle Timers

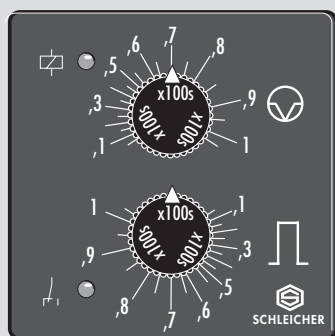
### UPT 11, UPT 31 for single voltage

**Function: repeat cycle (TP)** UPT 11 starting with OFF, **repeat cycle (TI)** UPT 31 starting with ON  
**1 time range** (for ON and OFF times respectively)

**Contact equipment: 1 changeover**

### UPT 11, ...

48 x 48



### Function

TP, TI (see page U 4/3).

Different OFF and ON times can be selected infinitely variable on the timer's front.

### Product Description

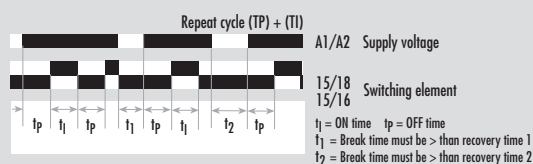
The electronic repeat cycle timers UPT ... are designed for single range and available in the following time ranges:

Time Range	OFF/ON	ON/OFF
	0,05 s to	1 s
	0,15 s to	3 s
	0,5 s to	10 s
	1,5 s to	30 s
	5 s to	100 s
	15 s to	300 s
	0,5 min to	10 min
	1,5 min to	30 min

### Function Diagram

FD 0069

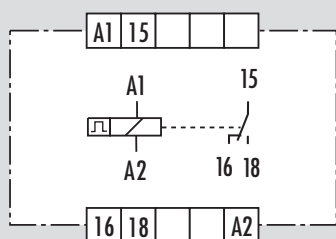
#### UPT 11, ...



### Connection Diagram

KS 00145/2

#### UPT 11, ...



Type	Standard voltage	Special voltage	Price Code
UPT 11 1 s	24 V AC/DC	42 V AC/DC	<b>U 4/20.1</b>
UPT 11 3 s	110 to 127 V AC	48 V AC/DC	
UPT 11 10 s	220 V AC	60 V AC/DC	
UPT 11 30 s	230 V AC	50 to 60 Hz	
UPT 11 100 s	50 to 60 Hz		
UPT 11 300 s			
UPT 11 10 min			
UPT 11 30 min			
UPT 31 1 s	24 V AC/DC	42 V AC/DC	<b>U 4/20.2</b>
UPT 31 3 s	110 to 127 V AC	48 V AC/DC	
UPT 31 10 s	220 V AC	60 V AC/DC	
UPT 31 30 s	230 V AC	50 to 60 Hz	
UPT 31 100 s	50 to 60 Hz		
UPT 31 300 s			
UPT 31 10 min			
UPT 31 30 min			

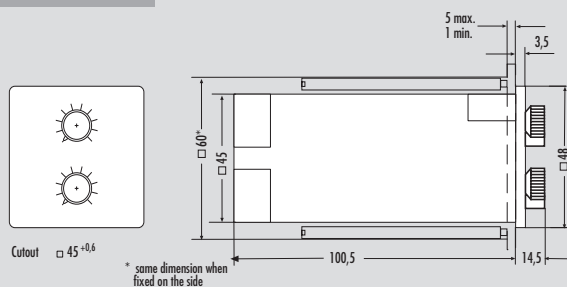
### Accessories

Lockable cover V 5

Price code for accessories (see page U 4/36).

### Dimensions

U 1-3





## TECHNICAL DATA

**FUNCTION** according to DIN VDE 0435 Part 1 110:04.89

Point 3.9

Function display  
Function diagram

### POWER SUPPLY

Rated voltage $U_N$	V AC/DC
Rated voltage $U_N$	V AC
Rated consumption at 50 Hz and $U_N$ (AC)	VA
Rated consumption at 50 Hz and $U_N$ (AC)	W
Rated consumption at $U_N$ (DC)	W
Starting current inrush	A/ms
Rated frequency	Hz
Operating voltage range	

### TIME CIRCUIT

Time setting/Number of time ranges	
Available time ranges	s
	s
	s
	s
	s
	s
	s
	min
	min
Recovery time 1/2	ms
Minimum switch-ON time	ms
Release value	% $U_N$
Repeat cycle starting with	
Permissible parallel load	
Internal rectifier	
Average of the error	
Dispersion	% $\pm 10$ ms
Influence of the energizing quantity or supply voltage	%/% $\Delta U_N$
Influence of the ambient temperature	%/K

### OUTPUT CIRCUIT

Contact equipment	
Contact material	
Switching voltage $U_n$	V AC/DC
Maximum continuous current $I_n$	A
Application category according to EN 60947-5-1:1991	
Permissible switching frequency	switching cycles/h
Mechanical service life	switching cycles
Response time	ms
Release time	ms

### GENERAL DATA

Creepage and clearance distances between circuits according to DIN VDE 0110-1:04.97: rated surge voltage	kV
Over voltage category	
Contamination level	
Design voltage	V AC
Test voltage $U_{eff}$ 50 Hz acc. to DIN VDE 0110-1, Table A.1	kV
Protection class housing/terminals acc. to DIN VDE 0470 Sec. 1:11.92	
Radiated noise	
Noise immunity	
Ambient temperature, working range	°C
Dimensions	
Connection diagram	
Weight	kg
Accessories	
Approvals	

### GENERAL TECHNICAL SPECIFICATIONS

## UPT 11, UPT 31

Electronic repeat cycle timer for single voltage  
Repeat cycle  
UPT 11 starting with OFF  
UTP 31 starting with ON  
1 LED green, 1 LED red  
FD 0069

	24	42	48	60	110-127	220	230
	1,7	1,7	1,8	1,7	2,8	4,7	5,2
	1,5	1,6	1,6	1,4	1,4	1,6	1,7
	1,2	1,3	1,3	1,0			
	1,5/1,5	,7/1	,6/1	,7/1	,5/5	,5/5	,5/5
	50 to 60						
	0,8 to 1,1 x $U_N$						

analog/1	
0,05 to 1	s
0,15 to 3	s
0,5 to 10	s
1,5 to 30	s
5 to 100	s
15 to 300	s
0,5 to 10	min
1,5 to 30	min
ca. 40/ca. 80	ms
-	ms
$\geq 15$	% $U_N$
OFF (for UPT 11), ON (for UPT 31)	
yes	
no	
diagram 4, page i.5	
$\leq \pm 0,5$	% $\pm 10$ ms
$\leq 0,02$	%/% $\Delta U_N$
$\leq 0,025$	%/K

1 changeover	
Ag-alloy; gold-plated	
230/230	V AC/DC
5	A
AC-15 $U_e$ 230 V AC, $I_e$ 2 A	
DC-13 $U_e$ 24 V DC, $I_e$ 2 A	
3600	switching cycles/h
$20 \times 10^6$	switching cycles
-	ms
ca. 40	ms

4	kV
III	
3 outside, 2 inside	
250	V AC
2,21	kV
IP 30/IP 20	
EN 50081-1:03.93, -2:03.94	
EN 50082-2:1995	

-20 to +60	°C
U 1-3	
KS 0145/2	
0,11	kg
lockable cover V 5	
page i.4	

page i.5