



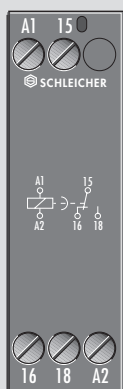
## Capacitor Time Relay

### KZC 110 K for single voltage

**Function: OFF-delay (RV)** without auxiliary supply  
**1 time range**

**Contact equipment: 1 timed changeover**

### KZC 110 K



### Function

RV (see page K 2/3).

The time range is factory preset.

### Product Description

The capacitor time relay KZC 110 K is a single range item and available only with a fixed time:

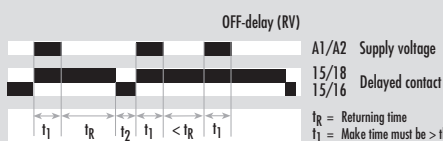
Time Range
0,5 s

Type	Standard voltage	Special voltage	Price Code
KZC 110 K 0,5 s	110 to 127 V AC/DC 220 V AC/DC 230 V AC/DC 240 V AC/DC 50 to 60 Hz		<b>K 2/45.1</b>

### Function Diagram

FD 0001

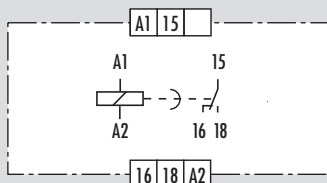
#### KZC 110 K



### Connection Diagram

KS 0165/5

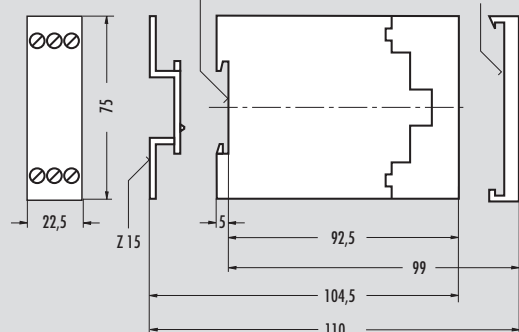
#### KZC 110 K



### Dimensions

For DIN-rails acc. to EN 50022

Z 12 K 1-8



# 2

### Accessories

- Cover Z 12 (sealable transparent cover)
- Adaptor Z 15 (to be fixed with 2 screws type M49)  
The housing can be snapped onto the adaptor.

Price code for accessories: see page K 2/71



## TECHNICAL DATA

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

Point 3.15

Function display  
Function diagram

### POWER SUPPLY

Rated voltage  $U_N$  V AC/DC

Rated consumption at 50 Hz and  $U_N$  (AC) VA  
 Rated consumption at 50 Hz and  $U_N$  (AC) W  
 Rated consumption (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  
 Rated current of the control signal mA  
 Recovery time 1/2 ms  
 Minimum switch-ON time ms  
 Release value %  $U_N$   
 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 III  
 Contamination level 3 outside, 2 inside  
 Design voltage V AC 250  
 Test voltage  $U_{eff}$  50 Hz acc. to DIN VDE 0110-1, Table A.1 kV 2,21  
 Protection class housing/terminals acc. to DIN VDE 0470 Sec. 1:11.92  
 Radiated noise EN 50081-1:03.93, -2:03.94  
 Noise immunity EN 50082-2:1995

Ambient temperature, working range °C -20 to +60  
 Dimensions K 1-8  
 Connection diagram KS 0165/4  
 Weight kg 0,12  
 Accessories cover Z 12, adaptor Z 15  
 Approvals page i.4

### GENERAL TECHNICAL SPECIFICATIONS

## KZC 110 K

Capacitor time relay for single voltage  
 OFF-delay time relay without auxiliary supply voltage  
 -  
 FD 0001

	110-127	220	230	240
Rated consumption at 50 Hz and $U_N$ (AC) VA	1,3	1,8	1,9	2,0
Rated consumption at 50 Hz and $U_N$ (AC) W	1,2	1,7	1,8	1,9
Rated consumption (DC) W				
Starting current inrush A/ms	,05/200	,02/500	,02/500	,02/500
Rated frequency Hz	50 to 60			
Operating voltage range	0,8 to 1,1 x $U_N$			

fixed/1  
 0,5  
 -  
 -/-  
 3000  
 -  
 yes  
 no  
 $\leq +5$   
 $\leq \pm 1$   
 $\leq 0,15$   
 $\leq 0,15$

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

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

-20 to +60  
 K 1-8  
 KS 0165/4  
 0,12  
 cover Z 12, adaptor Z 15  
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