

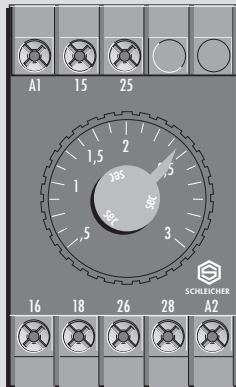


Capacitor Short Time Relay

SZC 120 for single voltage

Function: OFF-delay (RV) without auxiliary supply
1 time range
Contact equipment: 2 timed changeover

SZC 120



Function

RV (see page S 1/3).

Infinitely variable time setting within a range is carried out with the aid of a transparent rotary knob.

Product Description

The capacitor short-time relay SZC 120 has a single setting range and is available with the following time range:

Time Range

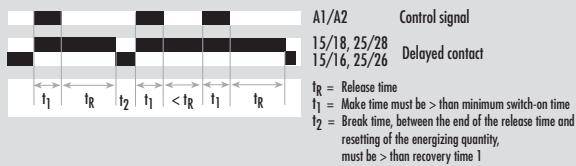
0,15 to 3 s

Function Diagram

FD 0001

SZC 120

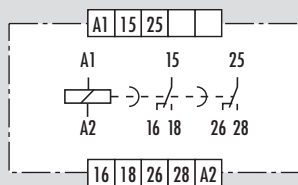
OFF-delay (RV)



Connection Diagram

KS 082/1

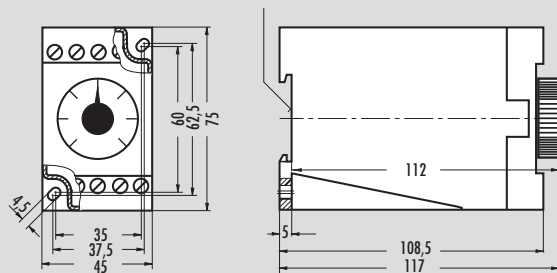
SZC 120



Dimensions

S 3-9

for DIN-rail acc. to EN 50022



1

Type	Standard voltage	Special voltage	Price Code
SZC 120 3 s	110 to 127 V AC/DC 230 V AC/DC 50 to 60 Hz		S 1/33.1

Accessories

Cover Z 29 (sealable transparent cover)

Price code for accessories (see page S 1/72).



TECHNICAL DATA

FUNCTION according to DIN VDE 0435 Part 1 110:04.89

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 at U_N (DC) W
 Starting current inrush A/ms
 Rated frequency Hz
 Operating voltage range

SZC 120

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

110 - 127	230
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1,3	3,3
1,3	3,3
1,0	2,2
,1/750	,1/300
50 to 60	
0,8 to 1,1 x U_N	

TIME CIRCUIT

Time setting/Number of time ranges
 Available time range s
 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 %/% ΔU_N
 Influence of the ambient temperature %/K

analog/1
 0,15 to 3
 0/-
 3000 after longer shutdown,
 250 on standard duty
 -
 -
 yes
 no
 -
 $\leq \pm 1$
 $\leq 0,15$
 $\leq 0,15$

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

2 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
 6000
 30×10^6
 ca. 15
 -

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

-20 to +60
 S 3-9
 KS 0082/1
 0,18
 cover Z 29
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Ambient temperature, working range °C
 Dimensions
 Connection diagram
 Weight kg
 Accessories
 Approvals

GENERAL TECHNICAL SPECIFICATIONS

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