



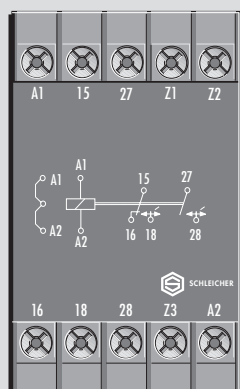
Electronic Interval Time Relays

SSY 12, SSY 52 for single voltage

**Function: SSY 12 interval ON/OFF (EAW)/interval ON (EW) and interval OFF (AW)
SSY 52 interval ON (EW)**

**Contact equipment: SSY 12 = 1 passing changeover and 1 passing NO
SSY 52 = 2 passing changeover**

SSY 12, ...



Function

EAW, EW and AW (see page S 1/3).

The interval times are factory preset.
On the relay SSY 12, the function (interval ON and OFF, interval ON or OFF) is selectable with the jumpers Z1/Z2 or Z2/Z3.

Product Description

The electronic interval time relays SSY ... are available with a fixed interval time:

Interval Time

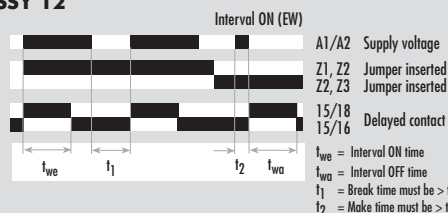
0,5 s

Type	Standard voltage	Special voltage	Price Code
SSY 12 0,5 s	24 V AC/DC 110 to 127 V AC/DC 230 V AC/DC 50 to 60 Hz	42 to 48 V AC/DC 60 V AC/DC 50 to 60 Hz	S 1/51.1
SSY 52 0,5 s	24 V AC/DC 110 to 120 V AC 230 to 240 V AC 50 to 60 Hz	42 V AC/DC 48 V AC/DC 60 V AC/DC 50 to 60 Hz	S 1/51.2

Function Diagram

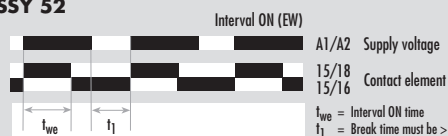
FD 0015

SSY 12



FD 0016

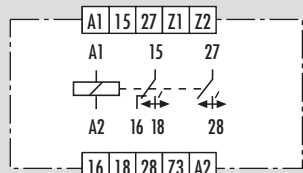
SSY 52



Connection Diagram

KS 0115/1

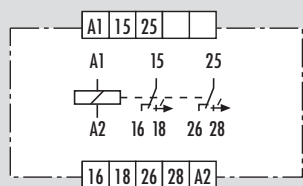
SSY 12



Jumpers:
Z1/Z2 = Interval ON
Z2/Z3 = Interval OFF
none = Interval ON/OFF

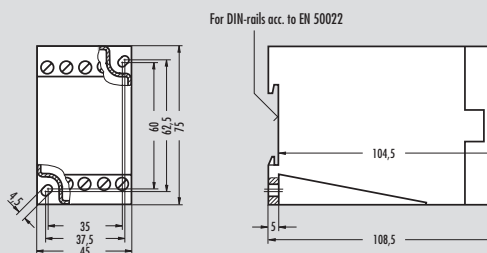
KS 0083/1

SSY 52



Dimensions

S 3-2



TECHNICAL DATA

FUNCTION according to DIN VDE 0435 Part 1 110:04.89

Point 3.4
Point 3.5

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 interval ON time	s
Recovery time	ms
Minimum switch-ON time	ms
Release value	% U_N
Permissible parallel load	
Internal rectifier	
Average of the error	
Dispersion	% ± 10 ms
Influence of the energizing quantity or supply voltage	%/% ΔU_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
Approvals	

GENERAL TECHNICAL SPECIFICATIONS

SSY 12

Electronic interval time relay
for single voltage
Interval ON time relay and/or
Interval OFF time relay

-
FD 0015

	24	42-48	60	110-127	230
	0,6	1,8	1,6	2,0	2,0
	0,5	1,5	1,2	1,7	1,8
	0,3	0,9	0,7	1,1	1,3
	3/6	4/5	6/4	1/20	1/100
	50 to 60				
	0,8 to 1,1 x U_N				

fixed/1	
ca. 0,5	
3000 after longer shutdown	
ca. 250 at continuous duty	
3000 after longer shutdown	
-	
yes	
no	
$\leq \pm 20$	
$\leq \pm 1,5$	
$\leq 1,2$	
$\leq 0,5$	

1 passing changeover and 1 passing NO
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. 20
-

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
S 3-2
KS 0115/1
0,17
page i.4

page i.5

SSY 52

Electronic interval ON time relay
for single voltage
Interval ON time relay

-
FD 0129

	24	42	48	60	110-120	230-240
	1,8	1,7	1,9	2,0	2,5	5,7
	1,7	1,7	1,8	1,9	1,2	1,6
	1,5	1,3	1,5	1,3		
	1,5/1	8/1	6/1	6/1	5/5	5/5
	50 to 60					
	0,8 to 1,1 x U_N					

fixed/1	
ca. 0,5	
ca. 100	
-	
-	
≥ 15	
yes	
no	
$\leq \pm 10$	
$\leq \pm 1$	
$\leq 0,02$	
$\leq 0,025$	

2 passing 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. 25
ca. 15

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
S 3-2
KS 0083/1
0,17
page i.4

page i.5