



Electronic Interval ON Time Relay

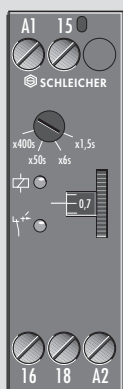
KSY 71 KM for multi-voltage 24 to 240 V AC/DC

Function: interval ON (EW)

1 setting range, divided into 4 time ranges for each version

Contact equipment: 1 passing changeover

KSY 71 KM



Function

EW (see page K 2/3).

The setting of the time ranges is done on the timer's front by means of a selector switch. The time setting within a range is carried out with the aid of a thumbwheel disc.

Product Description

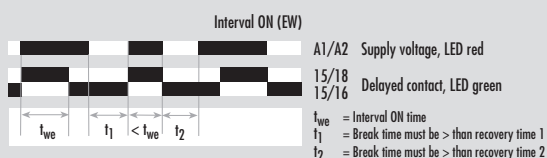
The electronic interval ON time relay KSY 71 KM is available with 1 setting range, divided into 4 time ranges.

Setting Range	Time Range
0,15 s to 400 s divided into :	0,15 to 1,5 s
	0,6 to 6 s
	5 to 50 s
	40 to 400 s
or	
1,5 s to 60 min divided into:	1,5 to 15 s
	0,1 to 1 min
	0,8 to 8 min
	6 to 60 min

Function Diagram

FD 0058

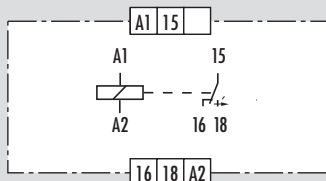
KSY 71 KM



Connection Diagram

KS 0116/2

KSY 71 KM



Type	Standard voltage	Price Code
KSY 71 KM 400 s	24 to 240 V AC/DC	K 2/51.1
KSY 71 KM 60 min	50 to 60 Hz	

Accessories

- Cover Z 12 (selectable transparent cover)
- Seal Z 13 (to protect the time range selector switch)
- Adaptor Z 15 (to be fixed with 2 screws type M4)
The housing can be snapped onto the adaptor.

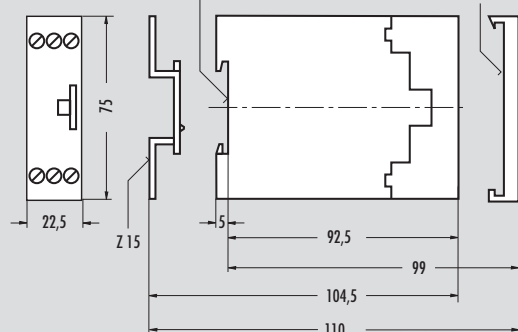
Price code for accessories: see page K 2/71

Dimensions

For DIN-rail acc. to EN 50022

Z 12

K 1-8



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TECHNICAL DATA

FUNCTION according to DIN VDE 0435 Part 1 110:04.89

Point 3.4

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
2 setting ranges available

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 % ± 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 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
 Noise immunity

Ambient temperature, working range °C -20 to + 60
 Dimensions K 1-8
 Connection diagram KS 0116/2
 Weight kg 0,12
 Accessories cover Z 12, seal Z 13, adaptor Z 15
 Approvals page i.4

GENERAL TECHNICAL SPECIFICATIONS

KSY 71 KM

Interval ON time relay for multi-voltage
Interval ON time relay

1 LED green, 1 LED red
FD 0058

24 to 240

7,5
1,9
1,9
-
50 to 60
0,8 to 1,1 x U_N

analog/4
 1. setting range 0,15 to 400 s
 divided into:
 0,15 to 1,5; 0,6 to 6; 5 to 50;
 40 to 400
 2. setting range 1,5 s to 60 min
 divided into:
 1,5 s to 15 s;
 0,1 to 1; 0,8 to 8; 6 to 60
 -
 ca. 50/ca. 50
 -
 ≥ 10 ; permiss. line inductivity 0,2 μ F
 yes
 no
 diagram 4, page i.5
 $\leq \pm 0,5$
 $\leq 0,02$
 $\leq 0,025$

1 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
 3600
 20×10^6
 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
 K 1-8
 KS 0116/2
 0,12
 cover Z 12, seal Z 13,
 adaptor Z 15
 page i.4

page i.5

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