

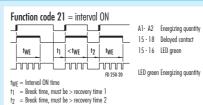


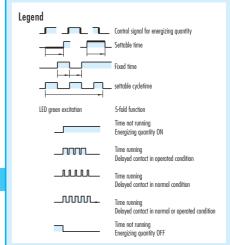
NGY 71

Interval ON multi-range relay

- Multi-voltage for AC/DC 24 to 240 V
- 1 function, interval ON
- Setting range from 0.1 s to 300 h divided into 16 switchable time ranges
- 1 changeover contact
- 2 LEDs for function display

Functions





Time ranges

Setting range from 0.1 s to 300 h divided into:

≤ 0.1	to	1 s	1.5	to	30	min
0.15	to	3 s	3	to	60	min
0.5	to	10 s	5	to	100	min
1.5	to	30 s	0.15	to	3	h
5	to	100 s	0.5	to	10	h
15	to	300 s	1.5	to	30	h
0.5	to	10 m	in 5	to	100	h
50	to	1000	s 15	to	300	h

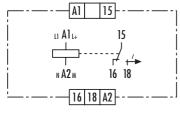
Features

Setting the time delay

The time range is set with the RANGE selector switch and displayed in the window next to it. The required delay time is set with a setting wheel.

LEDs show the state of the excitation input and the position of the contacts. You can monitor the countdown on a flashing LED.

Connection diagram



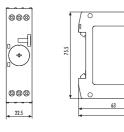
KS 250-13

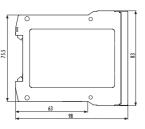
Note

The device is designed for multi-voltage. Connect phase L1 or L + to terminal A1 and neutral N or M to terminal A2.

You can change the delay time during operation. The change is effective immediately.

Dimensions





Ordering designation

NGY 71

Price code: 32.1



Technical data			
Device type	NGY 71		
Product norm (Time relays)	EN 61812 - 1:1999 - 08		
Relay function	445 03 00		
according to IEC 60050 Function diagram	445-01-08 FD 250-20		
Function diagram	2 LEDs green		
Ambient operating temperature range	-25 to + 60 °C		
Input circuit	AC (DC 24 to 240 V		
Rated voltage A1 - A2 Rated power AC	AC/DC 24 to 240 V 3.5 VA/1.7 W		
Rated power DC	1.6 W		
Rated voltage limits	70 to 110 %		
Rated frequency fn	50 to 60 Hz ± 5 %		
Release value of input voltage	≥ AC/DC 10 V; permissible line		
(line capacitance approx. 150 pF/m)	capacitance 0.2 μF		
Parallel load permitted	A1 - A2 yes		
Internal one-way rectifier	A1 - A2 no		
Time circuit			
Time setting / number of time ranges	analog/16		
Setting ranges for time delay	$ \begin{array}{llllllllllllllllllllllllllllllllllll$		
	0.5 to 10 s 5 to 100 min 1.5 to 30 s 0.15 to 3 h 5 to 100 s 0.5 to 10 h		
	15 to 300 s 1.5 to 30 h 0.5 to 10 min 5 to 100 h 50 to 1000 s 15 to 300 h		
Recovery time 1/2	$\leq 50/\leq 50$ ms		
Minimum ON time 1/2	- / - ms		
Setting tolerance	≤±5%		
Repeatability (to set value)	$\leq \pm 0.01 \% + \pm 10 \text{ ms}$		
Influence of temperature (within range) Influence of voltage (within range)	≤±0.002 % ≤±0.002 %		
Output circuit			
Contact equipment	1 changeover contact		
Contact material	AgNi 90/10		
Rated operating voltage	AC/DC 24 to 240 V		
Rated value for limiting continuous current Ith	5 A		
Minimum contact load	≥ AC/DC 5 V/≥ 10 mA		
Utilization category according to	AC-15 U _e AC 230 V, I _e 3 A		
IEC 60947 - 5 - 1	DC-13 U _e DC 24 V, I _e 2 A		
Permissible switching frequency	≤ 3600 switching cycles/h		
Mechanical service life Electrical service life	30 x 106 switching cycles		
$20/2$ A, AC 250 V, $\cos \varphi = 0.3$ Operate time / release time for excitation A1 - A2	0.12 x 10 ⁶ switching cycles AC-15 40 ms		
	40 1115		
Other data Clearance/creepage distances to IEC 60664 - 1			
Clearance/creepage distances to IEC 60664 - 1 Contamination level	3 outside, 2 inside		
Overvoltage category			
Rated voltage	AC/DC 275 V		
Protection class housing / terminals acc. to	IP 40/IP 20		
IEC 60529 Interference immunity acc. to IEC 61000 - 4	Test level 3		
Dimensions (housing)	K 3 - 1		
Terminal connection diagram	KS 250 - 13		
Connection cross sections single or fine wire fine wire with connector sleeve Weight	1 x 0,2 to 6 or 2 x 0,2 to 2,5 mm ² 1 x 0,4 to 4 or 2 x 0,2 to 1,5 mm ² 0.1 kg		
General Technical Specifications	NGG Catalogue		