



Gamma series  
 16 time ranges  
 Supply voltage 400V AC  
 1 change over contact  
 Width 22.5mm  
 Industrial design



## Technical data

### 1. Functions

E ON delay

### 2. Time ranges

Time range	Adjustment range	
1s	50ms	1s
3s	150ms	3s
10s	500ms	10s
30s	1500ms	30s
1min	3s	1min
3min	9s	3min
10min	30s	10min
30min	90s	30min
1h	3min	1h
3h	9min	3h
10h	30min	10h
30h	90min	30h
1d	72min	1d
3d	216min	3d
10d	12h	10d
30d	36h	30d

### 3. Indicators

Green LED ON: indication of supply voltage  
 Green LED flashes: indication of time period  
 Yellow LED ON/OFF: indication of relay output

### 4. Mechanical design

Self-extinguishing plastic housing, IP rating IP40  
 Mounted DIN-rail TS 35 according to EN 50022  
 Mounting position: any  
 Shockproof terminal connection according to VBG 4 (PZ1 required), IP rating IP20  
 Tightening torque: max. 1Nm  
 Terminal capacity:  
 1 x 0.5 to 2.5mm<sup>2</sup> with/without multicore cable end  
 1 x 4mm<sup>2</sup> without multicore cable end  
 2 x 0.5 to 1.5mm<sup>2</sup> with/without multicore cable end  
 2 x 2.5mm<sup>2</sup> flexible without multicore cable end

### 5. Input circuit

Supply voltage: 400V AC  
 Terminals: A1(+) - A2(-)  
 Tolerance: -15% to +10%  
 (340V AC to 440V AC)  
 Rated frequency: AC: 48 to 63Hz  
 Rated consumption: 2VA (1,5W)  
 Duty cycle: 100%  
 Reset time: 100ms  
 Residual ripple of DC: -  
 Drop-out voltage: >30% of supply voltage  
 Overvoltage category: III (in accordance with IEC 60664-1)  
 Rated surge voltage: 4kV

### 6. Output circuit

1 potential free change over contact  
 Rated voltage: 250V AC  
 Switching capacity: 750VA (3A / 250V AC)  
 The distance between the devices is less than 5mm!

Switching capacity: 1250VA (5A / 250V AC)  
 The distance between the devices is greater than 5mm!

Fusing: 5A fast acting  
 Mechanical life: 20 x 10<sup>6</sup> operations  
 Electrical life: 2 x 10<sup>5</sup> operations  
 at 1000VA resistive load  
 Switching frequency: max. 60/min at 100VA resistive load  
 max. 6/min at 1000VA resistive load  
 (in accordance with IEC 60947-5-1)

Overvoltage category: III (in accordance with IEC 60664-1)  
 Rated surge voltage: 4kV

### 7. Accuracy

Base accuracy: ±1% (of maximum scale value)  
 Frequency response: -  
 Adjustment accuracy: ≤5% (of maximum scale value)  
 Repetition accuracy: <0,5% or ±5ms  
 Voltage influence: -  
 Temperature influence: ≤0,01% / °C

### 8. Ambient conditions

Ambient temperature: -25 to +55°C  
 (in accordance with IEC 68-1)  
 -25 to +40°C  
 (in accordance with UL 508)  
 Storage temperature: -25 to +70°C  
 Transport temperature: -25 to +70°C  
 Relative humidity: 15% to 85%  
 (in accordance with IEC 60721-3-3 class 3K3)  
 Pollution degree: 3 (in accordance with IEC 60664-1)  
 Vibration resistance: 10 to 55Hz 0.35mm  
 (in accordance with IEC 68-2-6)  
 Shock resistance: 15g 11ms  
 (in accordance with IEC 68-2-27)

## Functions

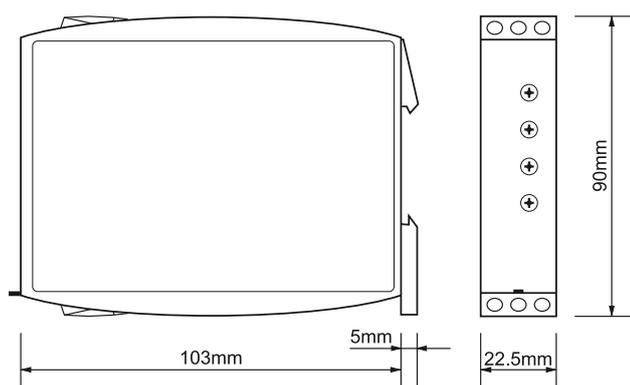
### ON delay (E)

When the supply voltage  $U$  is applied, the set interval  $t$  begins (green LED  $U/t$  flashes). After the interval  $t$  has expired (green LED  $U/t$  illuminated) the output relay  $R$  switches into on-position (yellow LED illuminated). This status remains until the supply voltage is interrupted.

If the supply voltage is interrupted before the expiry of the interval  $t$ , the interval already expired is erased and is restarted when the supply voltage is reapplied.



## Dimensions



## Connections

