



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: [info@chipsmall.com](mailto:info@chipsmall.com) Web: [www.chipsmall.com](http://www.chipsmall.com)

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



## TOP 2000 6 s 12 min Part number 88225019



- Multi-function
- Multi-range
- Mono-voltage
- 1 timed changeover + 1 instantaneous contact
- Elapsed time can be saved mechanically in the event of a break in supply
- Progress of a cycle displayed
- Housing for DIN rail mounting

### Part numbers

|            | Type       | Functions                  | Relay outputs                         | Voltage      |
|------------|------------|----------------------------|---------------------------------------|--------------|
| 88 225 019 | 6 s 12 min | Multi-function : 2 - 3 - 4 | 1 timed changeover 5 A1 instantaneous | 42 → 48 V AC |

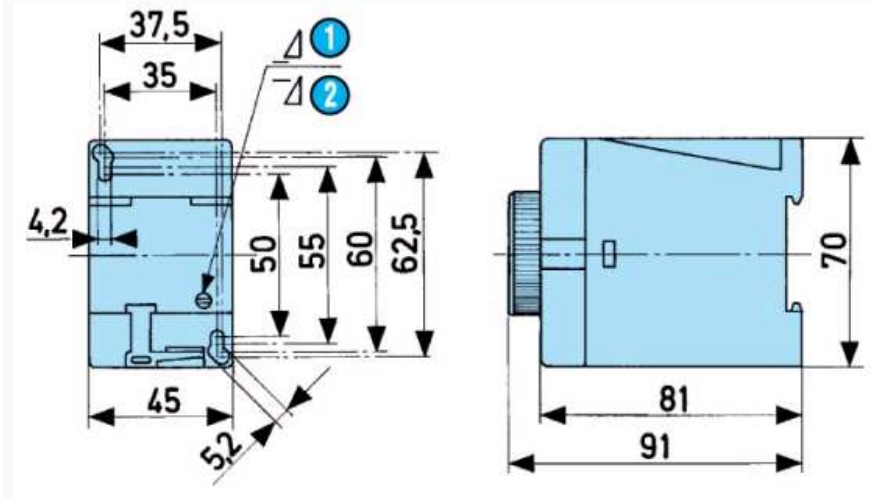
### Specifications

|                                                                                |                                                                                          |
|--------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| Precision limit error                                                          | ±2 % (±5 % / 6 s)                                                                        |
| Repetition accuracy                                                            | ±1,5 % (±4 % / 6 s)                                                                      |
| Reset time                                                                     | 0,20 s                                                                                   |
| Timed two-pole                                                                 | 1                                                                                        |
| Instantaneous single pole                                                      | 1                                                                                        |
| Thermal rating                                                                 | 6,3 A                                                                                    |
| Rating (cos φ = 0.41) 10 <sup>4</sup> operations                               | 5 A - 230 V                                                                              |
| Voltage variation at maximum temperature of 55 °C according to IEC 255 100     | 24 V +10 % - 42 V -15 % - 48 V +10 % - 110 V -20 % - 127 V 0 % - 220 V -20 % - 240 V 0 % |
| Absorbed power-motor                                                           | 3 VA cos μ 0,7                                                                           |
| Operating factor                                                               | 100 %                                                                                    |
| Operating temperature range (°C)                                               | -10 → +55 °C                                                                             |
| Storage temperature range (°C)                                                 | -20 → +70 °C                                                                             |
| Environmental protection Tropicalised to IEC 68-2-10                           | ■                                                                                        |
| Vibration withstand on 3 axes (Veritas standard)                               | 4 G - 55 Hz                                                                              |
| Dielectric test voltage according to IEC 255 5 or VDE 0435                     | 1000 V - Un ≤ 60 V<br>2000 V - Un > 60 V                                                 |
| Insulation according to standard VDE 0110 group C                              | 380 V AC - 440 V DC                                                                      |
| Protection Housing                                                             | IP 40                                                                                    |
| Degree of terminal protection                                                  | IP 10                                                                                    |
| Conformity to standards NFC 45250 - VDE 0110 - 0435 - 0660 or ICE 255 - 1 - 00 | ■                                                                                        |
| Connection : By screws in front face with self-lifting grips                   | ■                                                                                        |
| Terminal capacity Single-wire                                                  | (1-2) x 0,75 - 2,5 mm <sup>2</sup>                                                       |
| Terminal capacity : Multi-wire with self-crimping ferrules                     | (1-2) x 0,75 - 2,5 mm <sup>2</sup>                                                       |
| Mounting by screw                                                              | 2 x M5                                                                                   |
| Mounting : on symmetrical DIN rail 35 mm (EN 50002)                            | ■                                                                                        |
| Weight (g)                                                                     | 185                                                                                      |

### Accessories

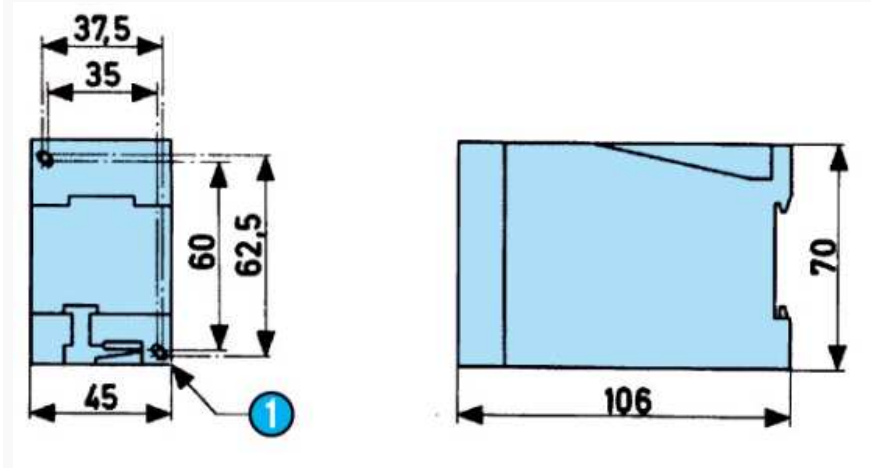
| Accessories                  | Code       |
|------------------------------|------------|
| *** TRADUCTION MANQUANTE *** | 84 861 501 |
| *** TRADUCTION MANQUANTE *** | 84 861 503 |

### Dimensions (mm)



| N° | Legend         |
|----|----------------|
| 1  | With memory    |
| 2  | Without memory |

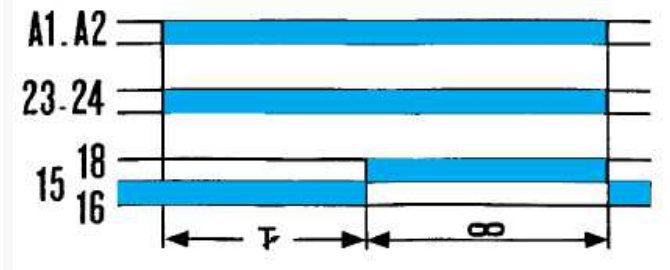
Dimensions (mm)



| N° | Legend           |
|----|------------------|
| 1  | Fixing holes Ø 5 |

Curves

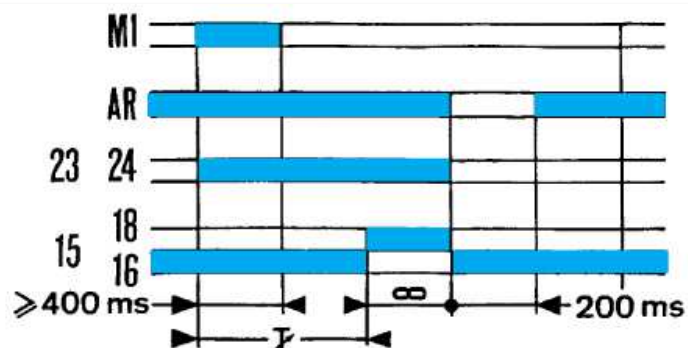
Function 2



|              |
|--------------|
| Function n°2 |
|--------------|

Curves

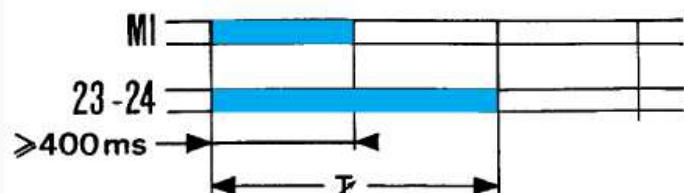
Function 3



Function n°3

## Curves

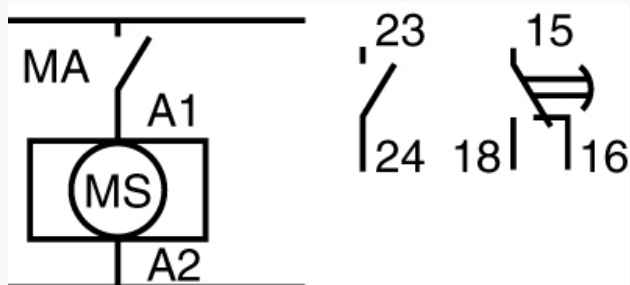
Function 4



Function n°4

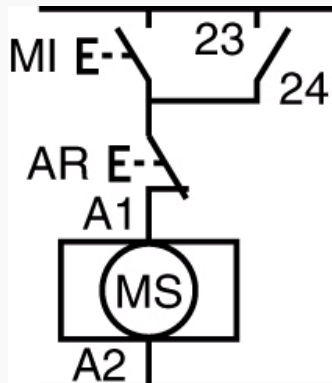
## Connections

Function 2



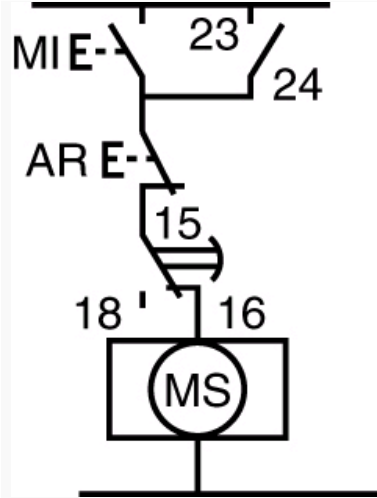
## Connections

Function 3



## Connections

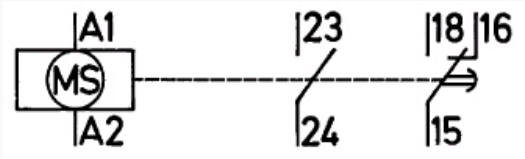
Function 4



On energisation, chance of contact bounce on instantaneous contact for 250 ms

Connections

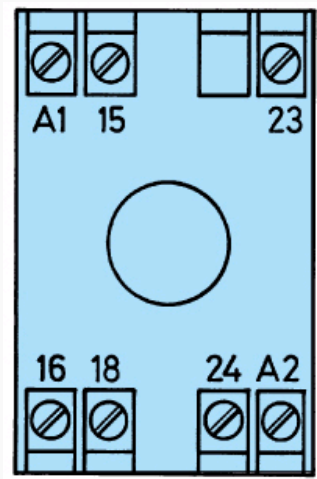
Internal layout



On energisation, chance of contact bounce on instantaneous contact for 250 ms

Connections

Terminal identification



TRADOS Empty Field

| N° | Legend                |
|----|-----------------------|
|    | A1 - A2 Supply        |
|    | Timed contact         |
|    | Instantaneous contact |