# LW12 系列万能转换开关 Series Rotary Switches

## ◆ 产品简介 Introduction

LW12适用于电路中转换电气控制线路和电气测量仪表，也可直接控制电动机。

LW12 apply to change over of circuits, also for control of electrical measuring in struments and control of motors.

### 主令控制用转换开关的型号及其含义

Use as control switches

LW 12—16 □·□/□□

- 湿热带产品代号 Tropical procduct code
- 接触系统节数 Number of layers
- 操作图编号 Code for contact diagram of the switch
- 定位特征代号 Character code
- 约定自由空气发热电流 Rated thermal current
- 设计代号 Product code
- 万能转换开关 Rotary switch (Cam switch)

注：湿热带产品代号：TH或TA。

Re: Tropical procduct code:TH or TA.

### 直接控制电动机用转换开关的型号及其含义

Use as motor switch

LW 12—16 /5.5□·□

- 接触系统节数 Number of layers
- 用途代号 Usage Code
- 被控三相交流鼠笼型异步电动机的最大容量 Motor Rating (3 phase AC)
- 约定自由空气发热电流 Rated thermal current
- 设计代号 Product code
- 万能转换开关 Rotary switch (Cam switch)

注：用途代号：Q1—直接起动2节 Q2—直接起动3节 N—可逆转换 S—双速电动机变速 SN—双速电动机变速、可逆。

Re:usage code (1)Q1 for start and run 2 Layers (2)Q2 for start and run 3 Layers (3)N for start and reversing (4)S start and run for 2 speed (5)SN for start and reversing of 2 speed motor

## ◆ 技术参数 Technical parameters

| | | | | |
|---|---|---|---|---|
| 额定绝缘电压 Rated insulation voltage | Ui | V | 500 | |
| 约定发热电流 Rated thermal current | Ith | A | 16 | |
| 额定工作电压 Rated working voltage | Ue | V | 220 | 380 |
| 额定工作电流 Rated working current | Ie | | | |
| AC-15 | | A | 4.6 | 2.6 |
| DC-13 | | A | 0.27 | |
| AC-3 | | A | | 12 |
| AC-4 | | A | | 12 |

### 机械寿命和电寿命 Mechanical life

机械寿命：$0.3\times10^6$次，操作频率为120 次/小时。

Mechanical life without load：$0.3\times10^6$ times, operation frequency is 120 times/h.

电寿命：AC–15 时为 $0.1\times10^6$，操作频率为 300 次/小时。

DC–13时为 $0.1\times10^6$次，操作频率为 300 次/小时。

AC–3时为$0.1\times10^6$次，操作频率为 120 次/小时。

AC–4时为$0.01\times10^6$次，操作频率为 120 次/小时。

Mechanical life with load:

AC-15,$0.1\times10^6$ times operation frequency is 300 times/h.

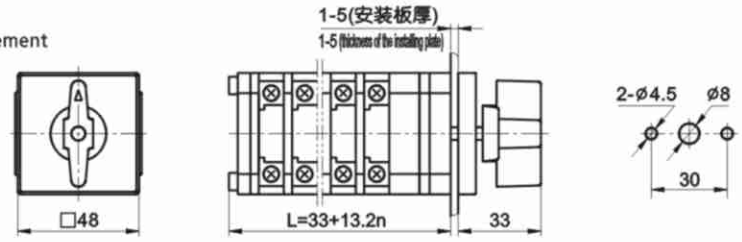
DC-13,$0.1\times10^6$times operation frequency is 300 times/h.

AC-3,$0.1\times10^6$ times operation frequency is 120 times/h.

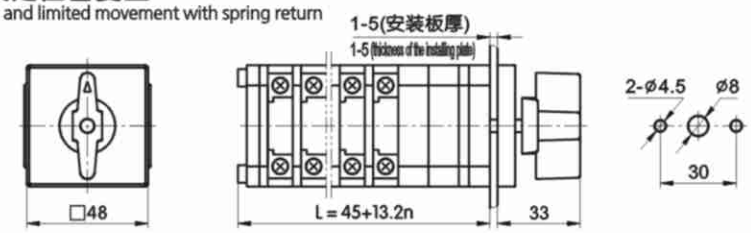
AC-4,$0.1\times10^6$times operation frequency is 120 times/h.

## ◆ 外形尺寸和安装尺寸 Dimensions and installation

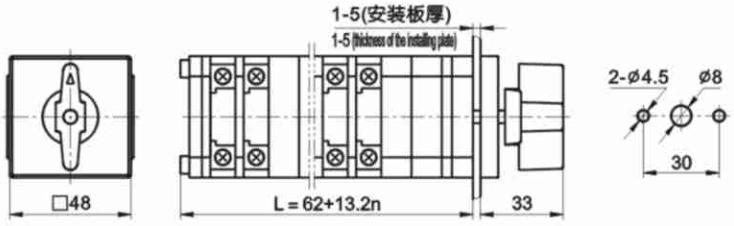
### 定位型
limited movement



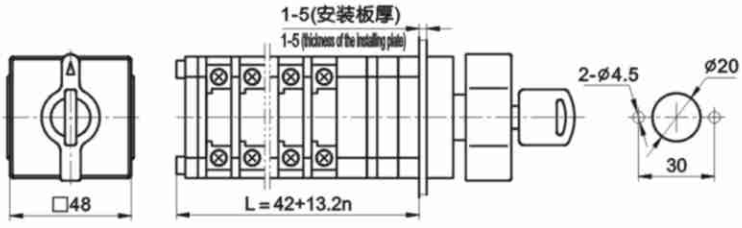

### 自复型及定位自复型
spring return and limited movement with spring return



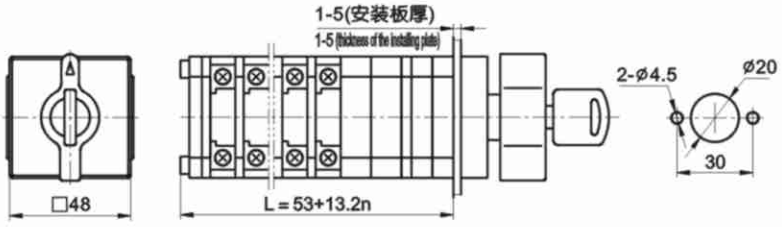

### 带45° 自由行程定位自复型
limited movement with spring return and 45° space free



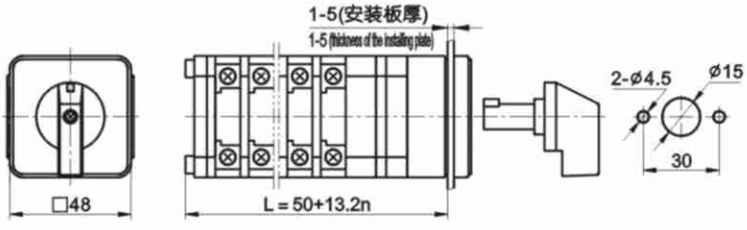

### 带锁定位型
limited movement with key lock



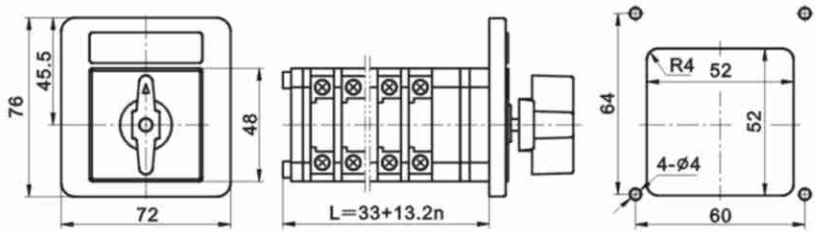

### 带锁自复型及定位自复型
limited movement with spring return and key lock



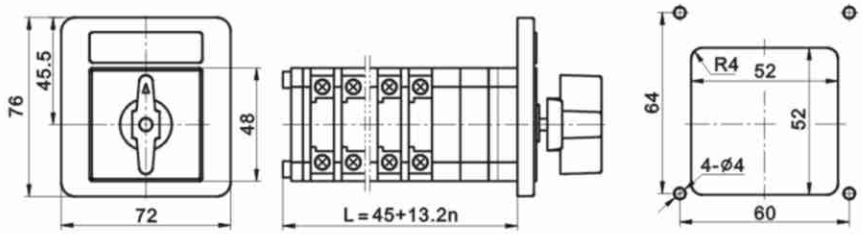

### 带Y型
Y type



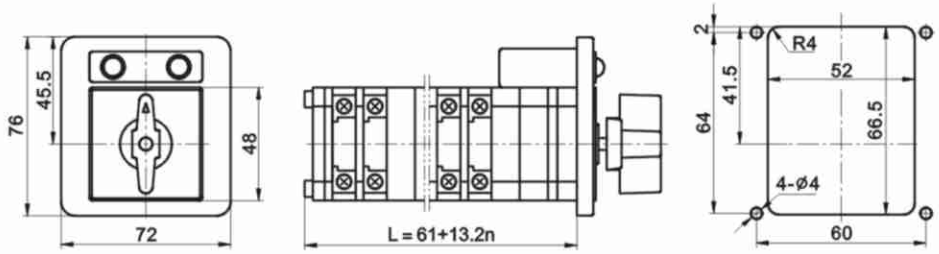
## 带指示条定位型
limited movement with indicator



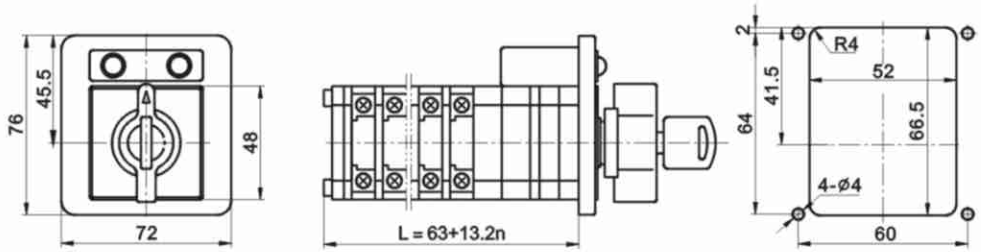

## 带指示条自复型及定位自复型
spring return with indicator and limited movement with spring return.



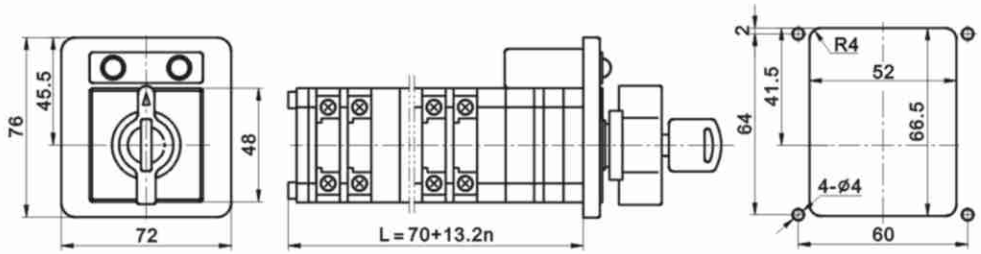

## 带45° 自由行程带灯定位自复型
45° free space limited movement with spring return, and indicating light




## 带灯带锁自复型及定位自复型
spring return with key-lock and indicating light,limited movement with spring return and key-lock and indicating llight




## 带45° 自由行程带锁带灯定位自复型
45° free space limited movement with spring return, key-lock and indicating light




注：n为接触系统节数。
Re: n for number of layers.