## Application

RDLX18(ME series)series limit switch,is applicable for control circuit of AC 50Hz or 60Hz,rated operation voltage up to 380V,DC voltage up to 220V,as motion mechanism travel, direction or speed control and change. This productin conforms to standard of GB14048.5,IEC60947-5-1.



## Model No.

RD LX 18 - □

- Structure(4 numbers for different operation mode)
- Production code
- Travel switch
- Company code



## Normal working condition and installation condition

2.1 Altitude: lower than 2000m.
2.2 Ambient temperature: no higher than +40oC,and no lower than -5oC, and day average temperature shall no more than +50oC.
2.3 Humidity: Relative humidity shall not excced 50% at the Max temperature,and higher humidity could be accepted at lower temperature. The condensation must be taken care which is caused by temperature change.
2.4 Pollution level: III type
2.5 Installation type:III



## Main technical parameter

4.1 power frequency:2500V,In 1min,without flash,breakdown phenomenon
4.2 insulation resistance:no less than 2M
4.3 Rated insulation voltage:500V
4.4 Using type:AC-15,DC-13
4.5 Rated limiting short-circuit current:1000A
4.6 Comparative tracking index(CTI): no less than 100
4.7 Protective class:IP65



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## Motion preformance parameter

See Table1

Table1

| Model No. | Operation mode | Operation force(N) | Reset force(N) | Travel distance(mm) | Overtravel(mm) | Error)mm) |
|---|---|---|---|---|---|---|
| RDLX18-8104 | Roller rotating arm | ≤6 | ≥0.5 | ≤20° | ≥75° | ≤10° |
| RDLX18-8107 | Adjustable rotating rod | 3.4~8 | 0.2~0.5 | ≤20° | ≥75° | ≤10° |
| RDLX18-8108 | Adjustable roller rotating rod | 2~8 | 0.1~0.5 | ≤20° | ≥75° | ≤10° |
| RDLX18-8111 | Direct pressure plunger type | ≤9 | ≥1.5 | ≤1.5mm | ≥4mm | ≤0.7mm |
| RDLX18-8112 | Direct-pressure plunger horizontal roller | ≤9 | ≥1.5 | ≤1.5mm | ≥4mm | ≤0.7mm |
| RDLX18-8122 | Direct-pressure plunger vertical roller | ≤9 | ≥1.5 | ≤1.5mm | ≥4mm | ≤0.7mm |
| RDLX18-8166 | Universal type spring wheel | ≤0.9 | — | ≤30mm | — | ≤20mm |
| RDLX18-8169 | Universal type spring wheel | ≤0.9 | — | ≤30mm | — | ≤20mm |
| RDLX18-9101 | Universal type spring wheel | ≤0.9 | — | ≤30mm | — | ≤20mm |

## Overall and mounting dimensions

See Fig1 to 9

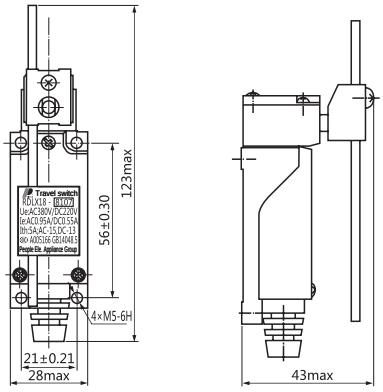



Fig1 RDLX18-8107

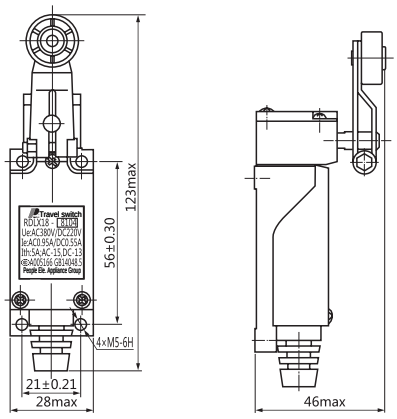



Fig2 RDLX18-8104

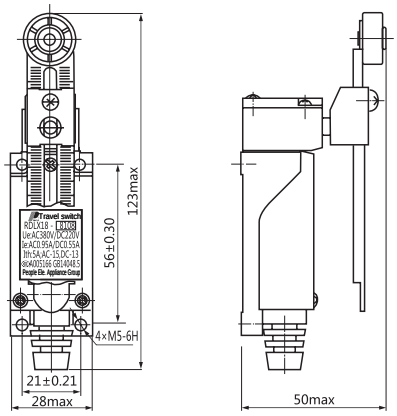



Fig3 RDLX18-8108

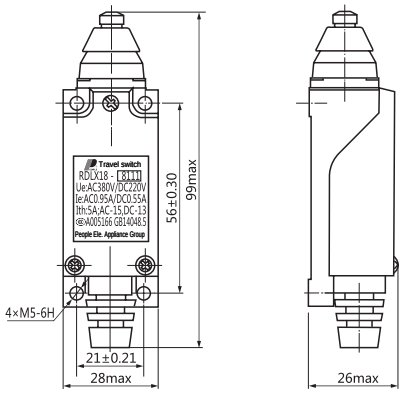



Fig4 RDLX18-8111

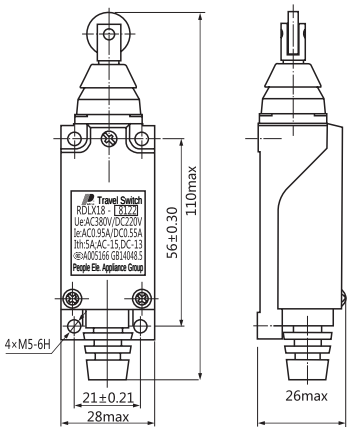



Fig5 RDLX18-8112

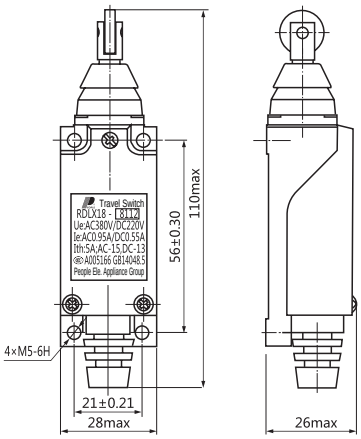



Fig6 RDLX18-8122

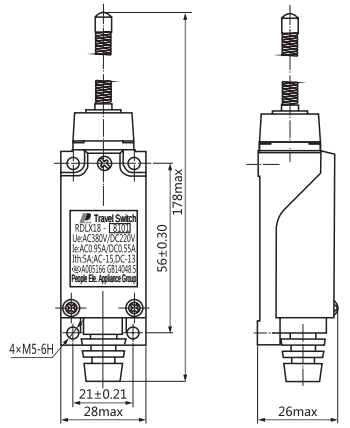



Fig7 RDLX18-9101

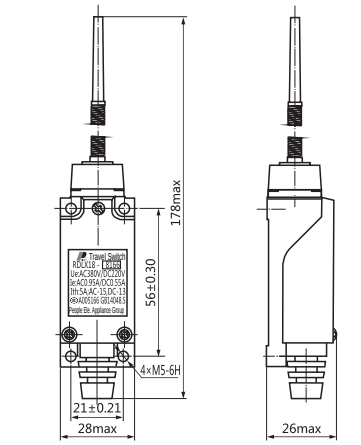



Fig8 RDLX18-8166

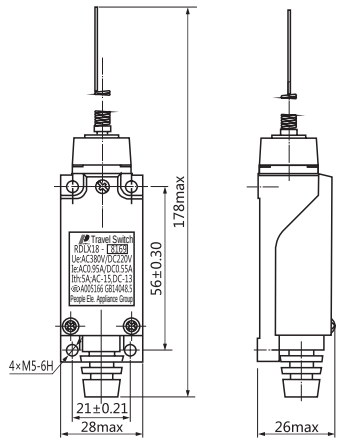



Fig9 RDLX18-8169

## Order Notice

PLease Note the Modle No., specification and Quantity of Travel Switch in the order.