

Flat layer switch DTP series



Features

- Small size, constant range detection
- Using anti-interference algorithm design, effectively avoid cross signal interference
- High detection accuracy and stable performance



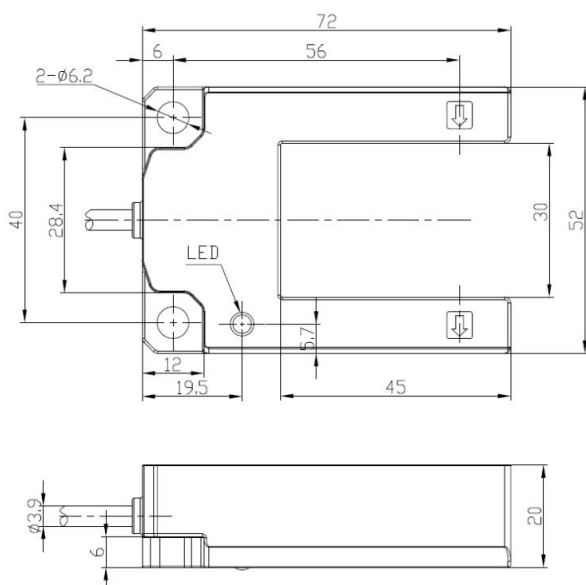
Part number

NPN+PNP NO/NC DTP-U30S-TDFB

Technical specifications

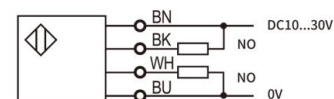
Detection method	Through beam	Response time	Max,1ms
Rated distance	30mm(Not adjustable)	Output indication	Yellow LED
Standard target	Φ 6mm Above opaque objects	Anti ambient light	Sunshine: ≤20000Lx;Incandescent: ≤3000Lx
Light source	Infrared LED(Modulation)	Ambient temperature	-15℃…55℃
Output type	NO/NC Optional(depends on part No.)	Environment humidity	35-95%RH(No condensation)
Supply voltage	10…30 VDC	High pressure resistant	1000V/AC 50/60Hz 60s
Smallest detector	Φ 3mm Above opaque objects	Insulation resistance	≥50MΩ (500VDC)
Load current	≤100mA	Vibration resistant	Complex amplitude 1.5mm 10 … 50Hz(2 hours each in X, Y, and Z directions)
Residual voltage	≤2.5V	Protection degree	IP64
Consumption current	≤20mA	Connection	4-pin 2m PVC cable
Circuit protection	Short circuit protection, overload protection, reverse polarity protection		

Dimensions



Wiring diagram

NPN+PNP NO



NPN+PNP NC

