Plastic U-shaped photoelectric sensor **PU50S series**



Features

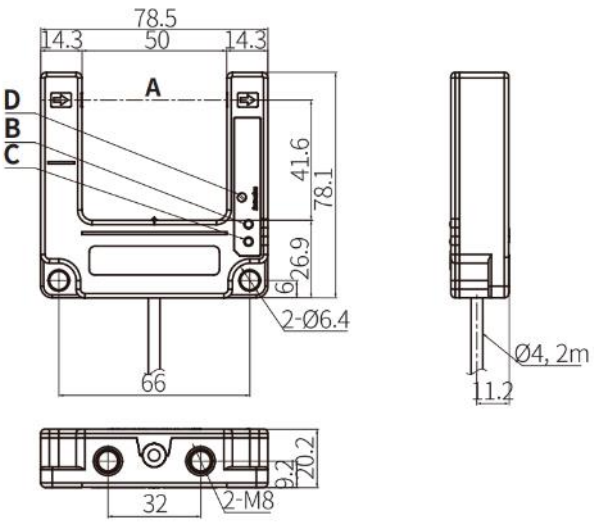
- Wide-slot type with fixed-distance detection
- NPN or PNP selection depends on the model; NO/NC can be switched via wiring

CE UKCA

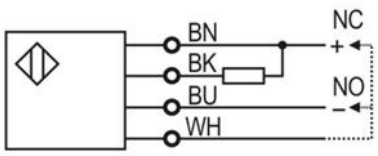
Model			
NPN NO/NC	PU50S-TDNB	PNP NO/NC	PU50S-TDPB

Specifications			
Detection type	Through beam	Indicator	Power indicator:Green;Output indication:Yellow LED
Rated distance Sn	50mm	Ambient temperature	Operating temperature: -20℃... +55℃
Standard test body	Φ4mm Above opaque objects		Storage temperature: -20...-75 (no icing, no condensation)
Light source	Infrared LED(940mm)	Environment humidity	35...85%RH(No condensation)
Shape specification	78.5*78.1 *20.2mm	Impact withstand voltage	1000V/AC 50/60Hz 60s
Output type	NO/NC Optional(Cable selection)	Insulation resistance	≥50MΩ(500VDC)
Supply voltage	10...30 VDC	Vibration resistance	Complex amplitude 1.5mm 10...50Hz(2 hours each
Load current	≤200mA		in X,Y,Z directions)
Residual voltage	≤2.5V	Protection degree	IP65
Consumption current	≤30mA	Material	PC/ABS
Response time	≤1ms	Connection type	2m PVC cable
Protection circuit	Reverse polarity protection,overload protection	Anti-light interference	Sunlight: ≤10000lxIncandescent light: ≤3000lx

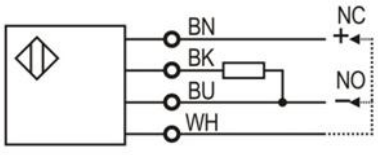
Dimensions



Circuit Diagrams



NPN NO/NC



PNP NO/NC

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