Plastic square shape photoelectric sensors **PSF** series



Features

- ◆ Retro reflection working principle;
- ◆Excellent anti-interference performance
- ◆High detection accuracy

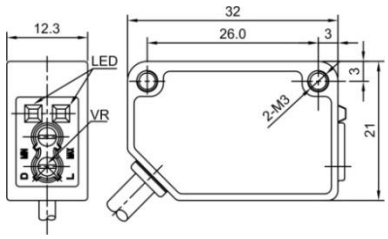
Part number

NPN	NO	PSF-DM2DNO	PNP	NO	PSF-DM2DPO
NPN	NC	PSF-DM2DNC	PNP	NC	PSF-DM2DPC
NPN	NO/NC	PSF-DM2DNB	PNP	NO/NC	PSF-DM2DPB

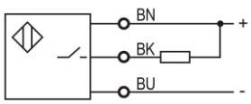
Technical specifications

Detection type	Retro reflection	Consumption current	≤25mA
Rated distance [Sn]	2m (adjustable)	Circuit protection	Short-circuit, overload and reverse polarity
Standard target	TD-09 reflector	Response time	< 1ms
Light source	Infrared LED (880nm)	Output indicator	Yellow LED
Dimensions	32mm *21 mm *12.3mm	Ambient temperature	-15℃…+55℃
Output	NO/NC(depends on part No.)	Ambient humidity	35-85%RH (non-condensing)
Supply voltage	12…24 VDC	Voltage withstand	1000V/AC 50/60Hz 60s
Target	Opaque object	Insulation resistance	≥50MΩ(500VDC)
Hysteresis range [%/Sr]	……	Vibration resistance	10…50Hz (0.5mm)
Repeat accuracy [R]	⩽5%	Degree of protection	IP67
Load current	⩽100mA	Housing material	PC/ABS
Residual voltage	⩽2.5V	Connection type	2m PVC cable

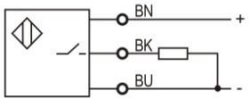
Dimensions



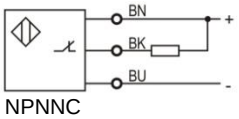
Wiring diagram



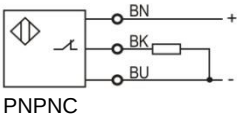
NPN NO



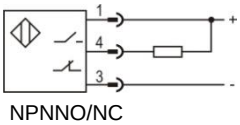
PNPNO



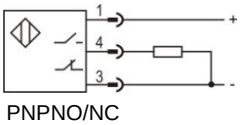
NPNNC



PNPNC



NPNNO/NC



PNPNO/NC