

Fail to Safe Proximity



At last, a proximity sensor with an output to warn of head damage.

FEATURES:

- AC/DC 20-250 Volts**
- N/O or N/C (Selectable)**
- Fail to Safe N/C output (10-60Vac)**
- 5 Head Positions**

APPLICATIONS:

- Conveyor Belt Drift**
- Under/Over Speed Detection (with Amplifier Module)**
- Transfer Chute Position**
- Stacker/Declaimer Position Indication**

SPECIFICATION

Dimensions:	
Model:	PSL50+U1+N5-U
Sensing	Nominal sensing distance S_n 50mm Hysteresis 5% Repeatability <0.01mm Standard test plate 150x150mm Mounting not flush Max. switch frequency 25Hz
Switching Output	Operating voltage 20 to 250Vac or 20 to 300 Vdc AC frequency 45 to 65Hz DC ripple <5% Max. output current 500mA dc or ac Inrush current 4A ac Residual current (load not powered) <2.5mA dc or ac Minimum load current (load powered) 5mA dc or ac Output voltage drop (load powered) <5Vac or dc Output protection not equipped Indicator led: light on/off output, overload flash, short circuit double flash EMC IEC 947-5-2 / IEC 1000-4-2, 3, 4, 5 / EN: 50082-2 Output function NO (with bridge) NC (without bridge)
Self Diagnosis	Diagnosis lead breakage and short circuit of sensing head Operating voltage 10 to 60Vdc Ripple 10% Max. output current 200mA Residual current (load not powered) <2.5mA Minimum load current (load powered) 5mA Output voltage drop (load powered) <5mA Output function NC (normally closed) Output protection short circuit and overload
Mechanical	Housing thermoplastic (PBT/V0) Ambient temperature -25°C to +70°C Vibration withstand $f \leq 55\text{Hz} / a \leq 1\text{mm}$ Shock withstand $b \leq 30\text{g} / t \leq 11\text{ms}$ Protection class IP67 Connection screwed terminals
Electrical Connection Diagrams	

Available from:



Sole Australian Distributor:

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