

PLS4 (EFECTOR IG0330) INDUCTIVE PROXIMITY SWITCH

Features

Produced by Efector, the FNW PLS4 inductive proximity limit switch is ideally suited for industrial applications where corrosion resistance is needed or where mechanical connections are not desired. Primarily used for position indication on knife gate and wedge gate valves, FNW can custom mount one or more PLS4's for your control needs. Additional configurations are available. Contact FNW with your application requirements.



Specifications

Connection Type	Plastic thread M18 x 1 Cable (non-flush mount)
Sensing Range	8mm (nf) non-flush mountable
Electrical Design	AC / DC
Output	normally open
Operating Voltage	20-250 VAC/VDC
Current Rating (continuous)	350mA AC @ 122°F, 250mA AC @ 176°F, 100mA DC
Current Rating (peak)	Inrush: 2.2 A (20 ms / 0.5 Hz)
Minimum Load Current	5mA
Voltage Drop	< 6.5 VAC / < 6 VDC
Leakage Current	< 2.5mA @ 250 VAC, < 1.3mA @ 110 V AC, < 0.8mA @ 24 V DC
Real Sensing Range	8mm ± 10 %
Operating Distance	0 - 6.5mm
Switch-Point Drift	-10 - 10% / Sr
Hysteresis	1 - 15% / Sr
Switching Frequency	25Hz AC / 50Hz DC
Correction Factors	mild steel = 1 stainless steel approx. 0.7 / brass approx. 0.4 / Al approx. 0.3 / Cu approx. 0.2
Operating Temperature	-13°F - 176°F
Protection	IP 67
EMC	EN 60947-5-2; EN 55011 class B
Housing Material	Polybutyleneterephthalate (PBT)
Function Display Switching Status	Red LED
Connection	PVC cable / 2 m; 2 x 0.5 mm ²
Wiring Core Colors	Brown (BN), Blue (BU)
Accessories (included)	2 lock nuts
Enclosure Rating	NEMA 3, 4, 6, 12, 13

