

Proximity Sensor Specifications (for FF-H pumps)

Type	High frequency oscillation switch
Output system	NPN DC open/close output
Power source voltage	+12 VDC/+24 VDC (10-30 VDC), less than 10% p-p ripple allowance rate
Current consumption	Less than 10 mA
Setting distance	Less than 80% of the switching distance
Hysteresis	Less than 20%
Switching distance	4 mm \pm 10%
Switching frequency	400 Hz
Output characteristics	Load current / 100 mA max (+12/+24 VDC) Residual voltage / Less than 1.5V (1.0 V typ) Leakage current / Less than 100 μ A
Environmental temperature	-25°C to 70°C
Insulation voltage	1000 VAC 50/60 Hz 1 min.
Insulation resistance	More than 50 mW
Vibration resistance	Double amplitude 1.5mm, 10-55 Hz
Shock resistance	30G
Protective construction	IP67
Case material	PBT resin
Cable	Oil-proof vinyl chloride cable, length 1m Diameter 3.5mm
Connection	<p>The diagram shows a sensor box with three terminals: RED, WHITE, and BLACK. The RED terminal is connected to a power source labeled '+12 / +24VDC'. The WHITE terminal is connected to a box labeled 'Load'. The BLACK terminal is connected to a power source labeled '0V'.</p>