

OVERVIEW

The Series 54 inductive proximity sensor provides position indication for quarter turn valves.

The superior design offers reliable and durable valve monitoring and control solutions for efficient plant operation.

The compact Series 54 directly mounts to VDI/VDE 3845 compliant actuators resulting in a smaller actuator profile while saving on cost.

Various electrical output options allow integration of the Series 54 into all standard process control environments.



Features:

- > Two independent sensors for open and close valve position indication
- > Optimized for indoor and outdoor use
- > Rugged design resistant to shock, vibration, UV and corrosion
- > Maintenance free design
- > Hermetically sealed to protect against the ingress of liquids or solids
- > Non-contact sensor eliminates the effect of mechanical wear
- > Eliminates potential switch welding, arcing and sparking
- > Quick and easy installation

CERTIFICATIONS & APPROVALS

Certifications	UL, CSA and CE approved (most models)
	70-24V: CSA and CE approved

NOTES

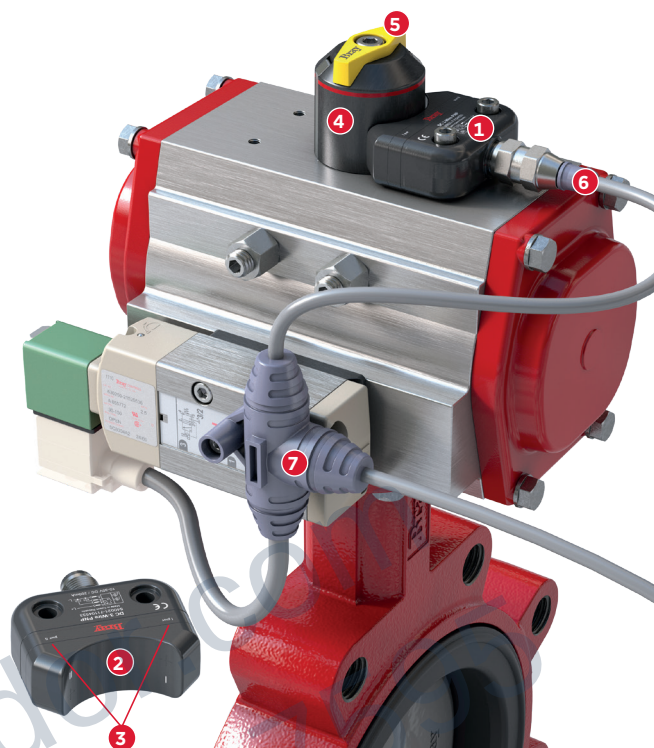
A complete listing of certifications and approvals can be found at BRAY.COM

SPECIFICATIONS

	General Service	Industrial Service	Hazardous Location	
Design	Extreme low profile	Compact	Intrinsically Safe	Non-Sparking
Housing Material	Thermoplastic PBT	Thermoplastic PBT	Thermoplastic PBT	Powder coated aluminum and polycarbonate (PC)
Mounting	30 x 80mm 30 x 130mm	30 x 80mm 30 x 130mm	30 x 80mm 30 x 130mm	30 x 80mm 30 x 130mm
Connectivity	Connector Cable gland	Connector Cable gland	Connector Cable gland	Connector Cable gland
Temperature Range	-25 to 70°C -13 to 158°F	-25 to 70°C -13 to 158°F	-25 to 100°C -13 to 212°F	-40 to 75°C -40 to 167°F
Ingress protection	IP66/67	IP66/67	IP66/67	IP66/67/69K
Electrical Output	2-wire DC 3-wire DC PNP	3-wire DC PNP 3-wire DC PNP with output AS-i with output AC/DC	NAMUR IS NAMUR IS with output	2-wire DC
Solenoid Outputs	None	One	One	One
Activator	Non adjustable	Standard adjustable High visibility adjustable	Standard adjustable High visibility adjustable	High visibility adjustable
Certifications	 		    	 

GENERAL SERVICE - FEATURES

- 1 **Sensor:** Extremely low profile with direct mounting to VDI/VDE 3845 compatible actuators.
- 2 **Sensing Face:** Compact concave design for protection of sensor targets.
- 3 **Bright LED:** Indication to display sensor power and switch status.
- 4 **Activator:** Low resistivity material prevents electrostatic discharge. Contains two stainless steel targets for CW or CCW operation.
- 5 **Indicator:** Bright yellow for improved visibility of valve position.
- 6 **Connection:** Sensor connectivity includes single pin connector or cable gland.
- 7 **Y-Connector (optional):** Reduces site cable requirements while decreasing installation time for sensor and valve solenoid. Allows power and signal on a single cable for the sensor and solenoid.



INDUSTRIAL SERVICE - FEATURES

- 1 **Sensor:** Low profile sensor with direct mounting to VDI/VDE 3845 compatible actuators.
- 2 **Sensing Face:** Small sensing face ensures no pinch point hazard between sensor and activator.
- 3 **Sensor Targets:** Sensor switch targets easily located and identified on sensor face.
- 4 **Bright LEDs:** indication to display sensor power and switch status.
- 5 **Activator:** Low resistivity material prevents electrostatic discharge. Contains two stainless steel targets for CW or CCW operation. Independently adjustable bottom level, top level and indicator (5 degree increments).
- 6 **Connection:** Sensor connectivity includes single pin connector, dual pin connector or cable glands.
- 7 **Optional Connector:** S-connector (shown) or Y-Connector reduce field wiring and eliminates common cabling errors.
- 8 **High Visibility Activator (optional):** Protective dome to prevent mechanical damage. Contains two stainless steel targets for CW or CCW operation. Fully independently adjustable, top level and indicator (5 degree increments). Bottom level adjustable in 90 degree increments.

