



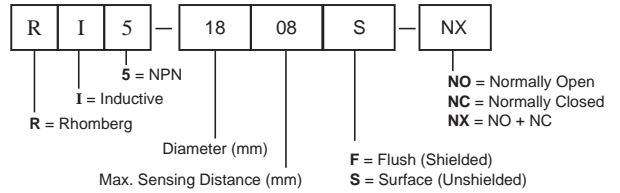
Inductive (metal sensing) Proximity Switches

DC NPN (Tubular 3 & 4 Wire)

RI5



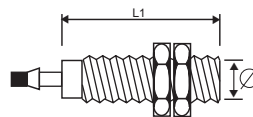
ORDERING CODE



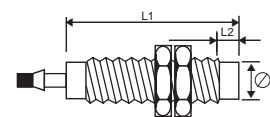
Note: Add "-MTP" for sensor with plug instead of cable (except M40)

Part Number	Diameter θ mm	Sensing Distance Sn mm	Length		Type
			L1 mm	L2 mm	
RI5-1202F- *	M12x1	2	65		3 Wire Shielded
RI5-1204S- *	M12x1	4	65	6	3 Wire Unshielded
RI5-1805F- *	M18x1	5	60		3 Wire Shielded
RI5-1805F-NX	M18x1	5	60		4 Wire Shielded
RI5-1808S- *	M18x1	8	60	10	3 Wire Unshielded
RI5-1808S- NX	M18x1	8	60	10	4 Wire Unshielded
RI5-3010F- *	M30x1.5	10	60		3 Wire Shielded
RI5-3010F- NX	M30x1.5	10	60		4 Wire Shielded
RI5-3015S- *	M30x1.5	15	60	15	3 Wire Unshielded
RI5-3015S- NX	M30x1.5	15	60	15	4 Wire Unshielded
RI5-4020F- *	M40x1.5	20	60		3 Wire Shielded
RI5-4020F- NX	M40x1.5	20	60		4 Wire Shielded
RI5-4025S- *	M40x1.5	25	60	15	3 Wire Unshielded
RI5-4025S- NX	M40x1.5	25	60	15	4 Wire Unshielded

* specify NO or NC



Flush (shielded)



Non-flush (unshielded)

Technical Specifications

DC Sensors are designed to be connected to a DC Power supply and can switch loads (eg. relays, solenoids, PLC's) directly.

Supply voltage: 10 to 60 VDC
 Maximum ripple: 10%
 Maximum load current: 400mA
 Quiescent current: 8mA approx.
 Polarity protection: Yes
 Overload protection: Yes
 Short circuit protection: Yes

Temperature Drift: 10%
 Hysteresis (typical): 10%
 Protection: IP68
 Operational Temp: -20°C to 70°C
 Cable length: 2m
 Cable colour stripe: green (for NPN)
 LED colour: Red (NO) or Green (NC)

Max switching frequency:

M12: 2kHz
 M18: 1kHz
 M30: 500Hz
 M40: 500Hz

