

# 3.1

## Inductive Proximity Sensors

### iProx Sensors







#### Product Selection

##### iProx Sensors

**Note:** Custom iProx models can also be ordered directly from the factory with pre-set ranges, outputs and connectors. Consult the Eaton Application Engineers at 1-800-426-9184 for more information.

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#### Two-Wire Sensors

	Operating Voltage	Sensing Range	Shielding	Connection Type <sup>①</sup>	NO Output Catalog Number <sup>②</sup>	NC Output Catalog Number <sup>②</sup>
<b>12 mm Diameter</b>						
<b>Standard Range</b> 	20–132 Vac	4 mm	Shielded	3-pin micro AC connector	E59-M12A105A01-A1 ☺	E59-M12A105A01-A2 ☺
				3-pin micro AC pigtail <sup>③</sup>	E59-M12A105A01P-A1 ☺	E59-M12A105A01P-A2 ☺
				3-pin mini AC pigtail <sup>③</sup>	E59-M12A105A01PB-A1 ☺	E59-M12A105A01PB-A2 ☺
				2-meter cable	E59-M12A105C02-A1	E59-M12A105C02-A2
<b>Extended Range</b> 		10 mm	Unshielded	3-pin micro AC connector	E59-M12C110A01-A1 ☺	E59-M12C110A01-A2 ☺
				3-pin micro AC pigtail <sup>③</sup>	E59-M12C110A01P-A1 ☺	E59-M12C110A01P-A2 ☺
				3-pin mini AC pigtail <sup>③</sup>	E59-M12C110A01PB-A1 ☺	E59-M12C110A01PB-A2 ☺
				2-meter cable	E59-M12C110C02-A1	E59-M12C110C02-A2
<b>18 mm Diameter</b>						
<b>Standard Range</b> 	20–132 Vac	8 mm	Shielded	3-pin micro AC connector	E59-M18A109A01-A1 ☺	E59-M18A109A01-A2 ☺
				3-pin micro AC pigtail <sup>③</sup>	E59-M18A109A01P-A1 ☺	E59-M18A109A01P-A2 ☺
				3-pin mini AC pigtail <sup>③</sup>	E59-M18A109A01PB-A1 ☺	E59-M18A109A01PB-A2 ☺
				2-meter cable	E59-M18A109C02-A1	E59-M18A109C02-A2
<b>Extended Range</b> 		18 mm	Unshielded	3-pin micro AC connector	E59-M18C118A01-A1 ☺	E59-M18C118A01-A2 ☺
				3-pin micro AC pigtail <sup>③</sup>	E59-M18C118A01P-A1 ☺	E59-M18C118A01P-A2 ☺
				3-pin mini AC pigtail <sup>③</sup>	E59-M18C118A01PB-A1 ☺	E59-M18C118A01PB-A2 ☺
				2-meter cable	E59-M18C118C02-A1	E59-M18C118C02-A2
<b>30 mm Diameter</b>						
<b>Standard Range</b> 	20–132 Vac	15 mm	Shielded	3-pin micro AC connector	E59-M30A115A01-A1 ☺	E59-M30A115A01-A2 ☺
				3-pin micro AC pigtail <sup>③</sup>	E59-M30A115A01P-A1 ☺	E59-M30A115A01P-A2 ☺
				3-pin mini AC pigtail <sup>③</sup>	E59-M30A115A01PB-A1 ☺	E59-M30A115A01PB-A2 ☺
				2-meter cable	E59-M30A115C02-A1	E59-M30A115C02-A2
<b>Extended Range</b> 		29 mm	Unshielded	3-pin micro AC connector	E59-M30C129A01-A1 ☺	E59-M30C129A01-A2 ☺
				3-pin micro AC pigtail <sup>③</sup>	E59-M30C129A01P-A1 ☺	E59-M30C129A01P-A2 ☺
				3-pin mini AC pigtail <sup>③</sup>	E59-M30C129A01PB-A1 ☺	E59-M30C129A01PB-A2 ☺
				2-meter cable	E59-M30C129C02-A1	E59-M30C129C02-A2

#### Notes

☺ See listing of compatible connector cables on **Page V8-T3-15**.

① For sensors with custom cable lengths or PUR jackets, contact Application Engineering at 1-800-426-9184.

② Sensors are ordered with pre-set outputs from the factory, but can be later programmed either NO or NC using the ProxView software.

③ Standard pigtail cable length is 12 in.