

1-800-GRAINGER (472-4643)



## Inductive Proximity Sensors

Ideal for noncontact detection of metal targets in position sensing applications and part presence application. Extended sensing ranges reduce failure from mechanical damage. Robust housing is designed for industrial applications. 4 visible LED outputs indicate status, making troubleshooting quick and easy. NEMA IP67.



35T376



35T311

Prox. Sensor Power Req'd.	Prox. Sensor Output Circuit Type	Output Mode	Prox. Sensor Elec. Connection	Case Material	SHIELDED			UNSHIELDED			
					Max. Detecting Distance	Mfr. Model	Item No.	Max. Detecting Distance	Mfr. Model	Item No.	
<b>8 mm Dia.</b>											
10 to 36V DC	2 Wire PNP/NPN	NO	2m Cable	Brass White Bronze Coated	1 mm	IE5207	35T375	—	—	—	
	3 Wire NPN	NO	2m Cable	Brass White Bronze Coated	1 mm	IE5123	35T368	—	—	—	
	3 Wire PNP	NO	2m Cable	Brass White Bronze Coated	1 mm	IE5121	35T361	—	—	—	
	3 Wire PNP	NO	4 Pin M12 Connector	Brass White Bronze Coated	2 mm	IE5312	35T307	4 mm	IE5288	35T308	
<b>12 mm Dia.</b>											
10 to 30V DC	3 Wire NPN	NO	4 Pin M12 Connector	Brass White Bronze Coated	4 mm	IFS242	40KH14	7 mm	IFS243	40KH18	
	3 Wire NPN	NC	4 Pin M12 Connector	Brass White Bronze Coated	4 mm	IFS249	40KH16	7 mm	IFS251	40KH20	
	3 Wire NPN	NO	2m Cable	Brass White Bronze Coated	4 mm	IFS254	40KH38	7 mm	IFS255	40KH40	
	3 Wire NPN	NO	4 Pin M12 Connector	Brass White Bronze Coated	4 mm	IFS246	40KH50	7 mm	IFS247	40KH54	
	3 Wire NPN	NC	4 Pin M12 Connector	Brass White Bronze Coated	4 mm	IFS262	40KH52	7 mm	IFS263	40KH56	
	3 Wire NPN	NO	2m Cable	Brass White Bronze Coated	4 mm	IFS258	40KH74	7 mm	IFS259	40KH76	
	3 Wire PNP	NO	4 Pin M12 Connector	Brass White Bronze Coated	4 mm	IFS204	35T309	7 mm	IFS205	35T310	
	3 Wire PNP	NO	4 Pin M12 Connector	Brass White Bronze Coated	4 mm	IFS212	35T313	7 mm	IFS213	35T314	
	3 Wire PNP	NO	4 Pin M12 Connector	Brass White Bronze Coated	4 mm	IFS240	40KH13	7 mm	IFS241	40KH17	
	3 Wire PNP	NC	4 Pin M12 Connector	Brass White Bronze Coated	4 mm	IFS248	40KH15	7 mm	IFS250	40KH19	
	3 Wire PNP	NO	2m Cable	Brass White Bronze Coated	4 mm	IFS252	40KH37	7 mm	IFS253	40KH39	
	3 Wire PNP	NO	4 Pin M12 Connector	Brass White Bronze Coated	4 mm	IFS244	40KH49	7 mm	IFS245	40KH53	
	3 Wire PNP	NC	4 Pin M12 Connector	Brass White Bronze Coated	4 mm	IFS260	40KH51	7 mm	IFS261	40KH55	
	3 Wire PNP	NO	2m Cable	Brass White Bronze Coated	4 mm	IFS256	40KH73	7 mm	IFS257	40KH75	
	10 to 36V DC	2 Wire PNP/NPN	NO	2m Cable	Brass White Bronze Coated	2 mm	IF5720	35T376	4 mm	IF5719	20XG34
	15 to 30V DC	3 Wire NPN	NO	4 Pin M12 Connector	Nickel Plated Brass	2 mm	IF7102	35T311	4 mm	IF7103	35T312
3 Wire NPN		NO	2m Cable	Nickel Plated Brass	2 mm	IF7106	35T369	4 mm	IF7107	35T370	
3 Wire PNP		NO	2m Cable	Nickel Plated Brass	2 mm	IF7104	35T362	4 mm	IF7105	35T363	
20 to 140V AC/DC	2 Wire	NO	3 Pin 1/2-20 UNF Male Connector	Brass White Bronze Coated	4 mm	IF0311	35T329	7 mm	IF0312	35T330	
20 to 250V AC	2 Wire	NO	2m Cable	Brass White Bronze Coated	2 mm	IF0303	35T349	4 mm	IF0302	35T351	
	2 Wire	NC	2m Cable	Brass White Bronze Coated	2 mm	IF0006	35T350	4 mm	IF0008	35T352	
<b>18 mm Dia.</b>											
10 to 30V DC	3 Wire NPN	NO	4 Pin M12 Connector	Nickel Plated Brass	5 mm	IG7102	35T317	8 mm	IG7103	35T318	
	3 Wire NPN	NO	4 Pin M12 Connector	Brass White Bronze Coated	8 mm	IGS234	40KH22	12 mm	IGS235	40KH26	
	3 Wire NPN	NC	4 Pin M12 Connector	Brass White Bronze Coated	8 mm	IGS241	40KH24	12 mm	IGS243	40KH28	
	3 Wire NPN	NO	2m Cable	Brass White Bronze Coated	8 mm	IGS246	40KH42	12 mm	IGS247	40KH44	
	3 Wire NPN	NO	4 Pin M12 Connector	Brass White Bronze Coated	8 mm	IGS238	40KH58	12 mm	IGS239	40KH62	
	3 Wire NPN	NC	4 Pin M12 Connector	Brass White Bronze Coated	8 mm	IGS254	40KH60	12 mm	IGS255	40KH64	
	3 Wire NPN	NO	2m Cable	Brass White Bronze Coated	8 mm	IGS250	40KH78	12 mm	IGS251	40KH80	
	3 Wire PNP	NO	4 Pin M12 Connector	Brass White Bronze Coated	8 mm	IGS232	40KH21	12 mm	IGS233	40KH25	
	3 Wire PNP	NC	4 Pin M12 Connector	Brass White Bronze Coated	8 mm	IGS240	40KH23	12 mm	IGS242	40KH27	
	3 Wire PNP	NO	4 Pin M12 Connector	Brass White Bronze Coated	8 mm	IGS212	35T319	12 mm	IGS213	35T320	
	3 Wire PNP	NO	2m Cable	Brass White Bronze Coated	8 mm	IGS244	40KH41	12 mm	IGS245	40KH43	
	3 Wire PNP	NO	4 Pin M12 Connector	Brass White Bronze Coated	8 mm	IGS236	40KH57	12 mm	IGS237	40KH61	
	3 Wire PNP	NC	4 Pin M12 Connector	Brass White Bronze Coated	8 mm	IGS252	40KH59	12 mm	IGS253	40KH63	
	3 Wire PNP	NO	2m Cable	Brass White Bronze Coated	8 mm	IGS248	40KH77	12 mm	IGS249	40KH79	
	3 Wire PNP	NO	4 Pin M12 Connector	Brass White Bronze Coated	8 mm	IGS204	35T315	12 mm	IGS205	35T316	
	10 to 36V DC	2 Wire PNP/NPN	NO	2m Cable	Brass White Bronze Coated	5 mm	IG5717	35T378	—	—	—
	15 to 30V DC	3 Wire NPN	NO	2m Cable	Nickel Plated Brass	—	—	—	8 mm	IG7107	35T372
		3 Wire NPN	NO	2m Cable	Nickel Plated Brass	5 mm	IG7104	35T364	8 mm	IG7105	35T365
		2 Wire	NO	2m Cable	316L Stainless Steel	5 mm	IG0328	35T353	—	—	—
	20 to 250V AC/DC	2 Wire	NC	2m Cable	Brass White Bronze Coated	5 mm	IG0327	35T354	8 mm	IG0313	35T356
		2 Wire	NO	3 Pin 1/2-20 UNF Male Connector	Brass White Bronze Coated	8 mm	IG0344	35T331	12 mm	IG0345	35T332
		2 Wire	NO	2m Cable	Brass White Bronze Coated	—	—	—	8 mm	IG0307	35T355
		2 Wire	NO	2m Cable	Brass White Bronze Coated	—	—	—	—	—	—
	<b>30 mm Dia.</b>										
10 to 30V DC	3 Wire NPN	NO	2m Cable	Brass White Bronze Coated	15 mm	IIS240	40KH46	22 mm	IIS241	40KH48	
	3 Wire NPN	NO	4 Pin M12 Connector	Nickel Plated Brass	10 mm	II7102	35T323	—	—	—	
	3 Wire NPN	NC	4 Pin M12 Connector	Brass White Bronze Coated	15 mm	IIS235	40KH32	22 mm	IIS237	40KH36	
	3 Wire NPN	NO	4 Pin M12 Connector	Brass White Bronze Coated	15 mm	IIS232	40KH66	22 mm	IIS233	40KH70	
	3 Wire NPN	NC	4 Pin M12 Connector	Brass White Bronze Coated	15 mm	IIS248	40KH68	22 mm	IIS249	40KH72	
	3 Wire NPN	NO	4 Pin M12 Connector	Brass White Bronze Coated	15 mm	IIS228	40KH30	22 mm	IIS229	40KH34	
	3 Wire NPN	NO	2m Cable	Brass White Bronze Coated	15 mm	IS244	40KH82	22 mm	IS245	40KH84	
	3 Wire PNP	NO	4 Pin M12 Connector	Brass White Bronze Coated	15 mm	IS230	40KH65	22 mm	IS231	40KH69	
	3 Wire PNP	NC	4 Pin M12 Connector	Brass White Bronze Coated	15 mm	IS246	40KH67	22 mm	IS247	40KH71	
	3 Wire PNP	NO	2m Cable	Brass White Bronze Coated	15 mm	IS238	40KH45	22 mm	IS239	40KH47	
	3 Wire PNP	NO	4 Pin M12 Connector	316L Stainless Steel	15 mm	IS210	35T325	22 mm	IS211	35T326	
	3 Wire PNP	NO	4 Pin M12 Connector	Brass White Bronze Coated	15 mm	IS226	40KH29	22 mm	IS227	40KH33	
	3 Wire PNP	NO	4 Pin M12 Connector	Brass White Bronze Coated	15 mm	IS204	35T321	22 mm	IS205	35T322	
	3 Wire PNP	NO	2m Cable	Brass White Bronze Coated	15 mm	IS242	40KH81	22 mm	IS243	40KH83	
	3 Wire PNP	NC	4 Pin M12 Connector	Brass White Bronze Coated	15 mm	IS234	40KH31	22 mm	IS236	40KH35	
	15 to 30V DC	3 Wire NPN	NO	2m Cable	Nickel Plated Brass	—	—	—	15 mm	II7107	35T374
	20 to 250V AC/DC	3 Wire PNP	NO	2m Cable	Nickel Plated Brass	10 mm	II7104	35T366	—	—	—
		2 Wire	NC	2m Cable	Brass White Bronze Coated	—	—	—	15 mm	II0275	35T360
		2 Wire	NO	3 Pin 1/2-20 UNF Male Connector	Brass White Bronze Coated	15 mm	II0340	35T333	22 mm	II0341	35T334
	<b>Rectangular Proximity Sensor</b>										
	10 to 36V DC	3 Wire PNP	NO	M12 Connector	Polyamide	20.0 mm	IMS115	35T327	35.0 mm	IMS116	35T328
	10 to 30V DC	3 Wire	NC	3 Pin 1/2-20 UNF Male Connector	PPE, PPS	—	—	—	35.0 mm	IM0057	35T336
	24 to 240V AC/DC	3 Wire	NO	3 Pin 1/2-20 UNF Male Connector	PPE, PPS	20.0 mm	IMO054	20XG33	—	—	—

## Inductive Proximity Sensors

- NEMA rated IP67
- Operating temp. range: -13° to 176°F
- 0.40" W x 1.09" L x 0.63" D

Feature 2m cable connection, PBT case, shielded body, and 1 yellow LED for output state.



24JY94

Prox. Sensor Power Req'd.	Prox. Sensor Output Circuit Type	Max. Detecting Distance	OUTPUT MODE			
			NO	Item No.	NC	Item No.
10 to 30V DC	PNP	2.0 mm	Mfr. Model	24JY94	Mfr. Model	24JY95
10 to 36V DC	NPN	2.0 mm	Mfr. Model	24JY96	Mfr. Model	24JY97