

Mobile Sensors

HTMTM
SENSORS

WORLD CLASS SENSORS AND
DOWNTIME REDUCTION SERVICES
TO APPLY THEM





PROXIMITY SENSORS

Inductive Proximity Sensors are used in a wide variety of manufacturing operations where a metal target needs to be sensed. Many applications can be solved with a reliable, low-cost sensor, and HTM Sensors inductive proximity sensors have a Lifetime Warranty, a CSA or UL approval, and a huge inventory for same-day shipping.



CAPACITIVE SENSORS

Capacitive Proximity Sensors are used in many processing applications that require the reliable detection of liquids, bulk solids, wood, plastics, pellets, powders and pastes. Many level control applications in food or packaging industries, as well as in the plastics industry, can be solved with a low-cost standard size capacitive sensor.



PHOTOELECTRIC SENSORS

Photoelectric Sensors are used in virtually any manufacturing processes with moving parts to detect products, machine parts, and a wide variety of moving objects. Long distances can be achieved by using a sender-receiver thru-beam model, or a retro-reflective model with a reflector on the far side.



SAFETY LIGHT CURTAINS

Safety Light Curtains are used for the safety protection of people. Special safety rated redundant circuits provide confidence to machine designers and machine operators that once the beam is broken, the machine will become safe. Category 4 safety light curtains are available with small beam pitches to detect a finger or a hand, or with larger beam pitches to detect a larger body part.



CABLES AND CONNECTORS

HTM Sensors stocks thousands of sensor cables for convenient same-day-shipping. Standard M8 and M12 cables have the best prices in the industry and are always available and in stock for customer requirements. New advances in sensor cables allow for extended durability and longevity in the harshest environments.



PNEUMATIC CYLINDER SENSORS

HTM Sensors Pneumatic Cylinder Sensors are built to provide reliable operation of pneumatic cylinders for motion control applications in any manufacturing environment. HTM Sensors provides easy mounting t-slot, c-slot, dovetail and tie-rod mounting profiles to match the design of most commonly used pneumatic cylinders.



SENSOR PROTECTION

HTM Sensors Sensor Protection products are built for the aggressive elimination of downtime. Downtime in heavy manufacturing plants accounts for a massive accumulation of costs that far outweigh the costs of a successfully implemented sensor program.



In the USA: 1889 Maryland Ave., Niagara Falls, NY 14305
In Canada: 3419 Mainway, Burlington, ON L7M 1A9

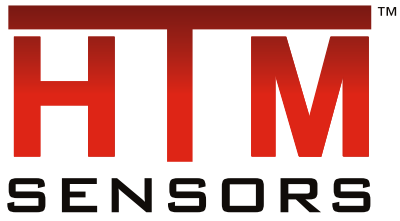
Toll Free: 1-800-644-1756



For technical support, or information about the Application, Selection, Installation and Protection of sensor products:
support@htmsensors.com

For customer service, or information about new and existing orders, shipment tracking, and product feedback:
service@htmsensors.com

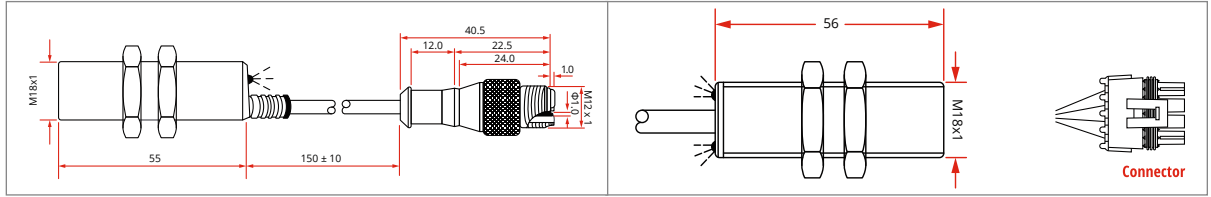
For sales, or for volume pricing, distribution enquiries, product samples and on-site demonstrations:
sales@htmsensors.com



- DURABLE PROXIMITY SENSORS FOR MOBILE APPLICATIONS
- GARBAGE AND RECYCLING TRUCKS, LANE MARKING EQUIPMENT, CONSTRUCTION VEHICLES AND OTHER MOBILE APPLICATIONS
- ADVANTAGE FOR DURABILITY, VIBRATION PROTECTION AND EASE OF INSTALL
- AVAILABLE SENSORS IN M18, M30 AND SQUARE TYPE
- AVAILABLE WITH PRE-WIRED CABLE, PIGTAIL, WEATHERPACK OR DEUTSCH CONNECTOR

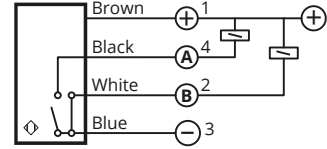
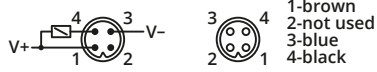


M18 MOBILE SENSORS



DC 3-wire NPN-N.O.

Connector face view Female plug end view

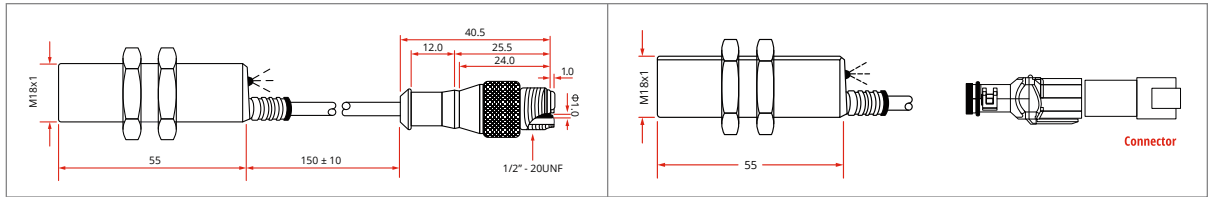


DC NPN-N.O. & N.C.



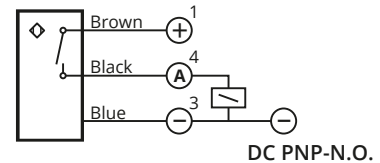
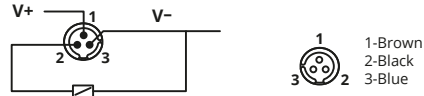
PART NUMBER	R-M18/05N-0.15M/M12	R-M18/05N-0.36M/WP
SENSING DISTANCE	5 mm	
OPERATING VOLTAGE	10-30 V DC	
OPERATING TEMPERATURE	-25 °C - +70 °C	
HOUSING MATERIAL	Nickel Plated Brass	
IP RATING	IP67	
EMC / SHOCK / VIBRATION	EN 60947-5-2:2007/A1:2012 / IEC 60947-5-2,part7.4.1 / IEC 60947-5-2,part7.4.1	
NO LOAD CURRENT	<10 mA	
MAX LOAD CURRENT	200 mA	
CABLE LENGTH	0.15 m	0.36 m
CABLE OR PLUG	Plug: 4 PIN	Cable: OD: 6.2 mm/PVC/GREY ID: 0.16*42*4C(18AWG)

NOTE: Specifications subject to change without notification.



AC 10-30V Metal housing 3-wire N.O.

Connector face view Female plug end view



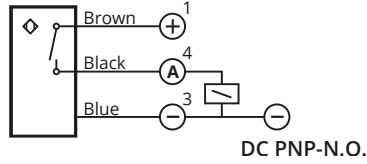
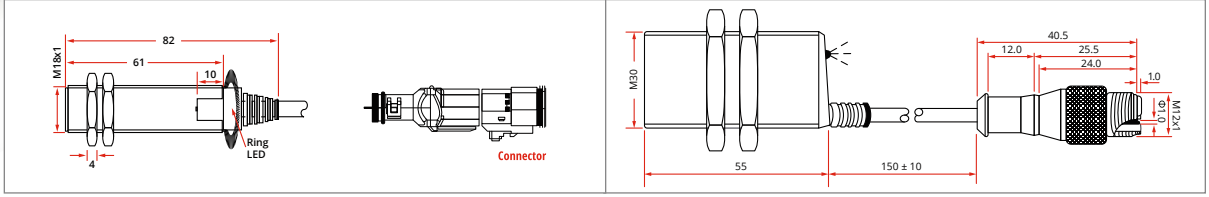
DC PNP-N.O.



PART NUMBER	R-M18/05P-0.15M/DK/M12	R-M18/05P-0.185M/DEU
SENSING DISTANCE	5 mm	
OPERATING VOLTAGE	10-30 V DC	
OPERATING TEMPERATURE	-25 °C - +70 °C	
HOUSING MATERIAL	Nickel Plated Brass	
IP RATING	IP67	
EMC / SHOCK / VIBRATION	EN 60947-5-2:2007/A1:2012 / IEC 60947-5-2,part7.4.1 / IEC 60947-5-2,part7.4.1	
NO LOAD CURRENT	<10 mA	
MAX LOAD CURRENT	200 mA	
CABLE LENGTH	0.15 m	0.185 m
CABLE OR PLUG	Plug: 3PIN	Cable: OD: 5.7 mm/PVC/GREY ID:0.16*42*3C

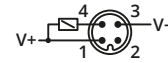
NOTE: Specifications subject to change without notification.

M18/M30 MOBILE SENSORS



DC 3-wire NPN-N.O.

Connector face view

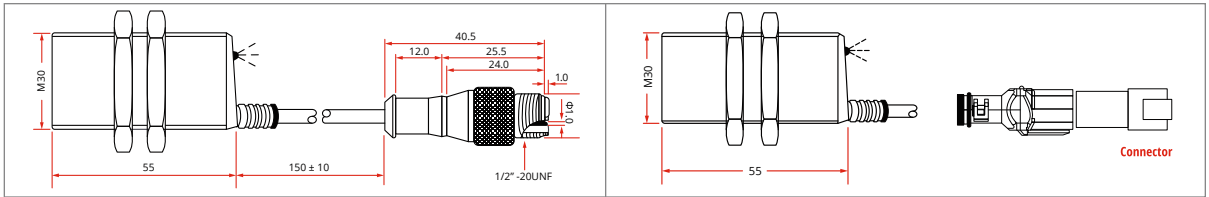


Female plug end view



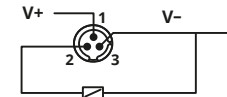
PART NUMBER	R-M18/08P-0.15M/DEU	R-M30/10N-0.15M/M12
SENSING DISTANCE	8 mm	10 mm
OPERATING VOLTAGE	10-30 V DC	
OPERATING TEMPERATURE	-25 °C - +70 °C	
HOUSING MATERIAL	Nickel Plated Brass	
IP RATING	IP67	
EMC / SHOCK / VIBRATION	EN 60947-5-2:2007/A1:2012 / IEC 60947-5-2,part7.4.1 / IEC 60947-5-2,part7.4.1	
NO LOAD CURRENT	<10 mA	
MAX LOAD CURRENT	200 mA	
CABLE LENGTH	0.15 m	0.15 m
CABLE OR PLUG	Cable: OD: 5.7 mm/PUR/GREY ID:0.16*42*3C	Plug: 3 PIN

NOTE: Specifications subject to change without notification.

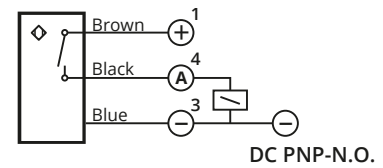
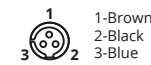


AC 10-30V Metal housing 3-wire N.O.

Connector face view



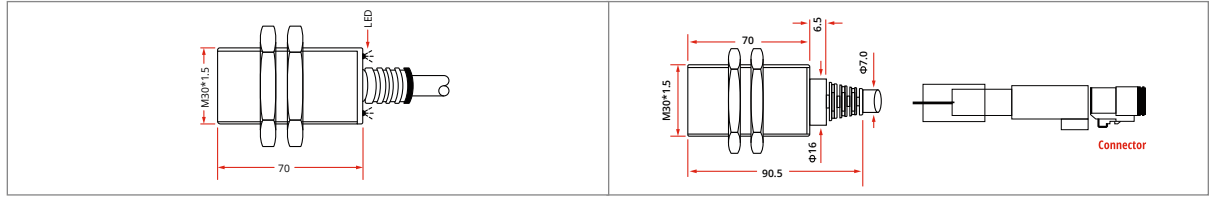
Female plug end view



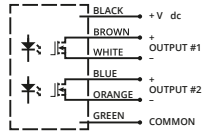
PART NUMBER	R-M30/10P-0.15M/DK/M12	R-M30/10P-0.185M/DEU
SENSING DISTANCE	10 mm	
OPERATING VOLTAGE	10-30 V DC	
OPERATING TEMPERATURE	-25 °C - +70 °C	
HOUSING MATERIAL	Nickel Plated Brass	
IP RATING	IP67	
EMC / SHOCK / VIBRATION	EN 60947-5-2:2007/A1:2012 / IEC 60947-5-2,part7.4.1 / IEC 60947-5-2,part7.4.1	
NO LOAD CURRENT	<10 mA	
MAX LOAD CURRENT	200 mA	
CABLE LENGTH	0.15 m	0.185 m
CABLE OR PLUG	Plug: 4 PIN	Cable: OD: 5.7 mm/PVC/GREY ID:0.16*42*3C

NOTE: Specifications subject to change without notification.

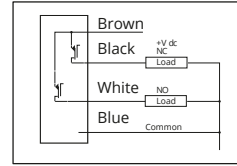
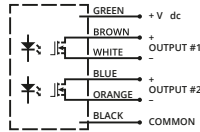
M30 MOBILE SENSORS



N.O./N.O. Output Configuration-6-Wire

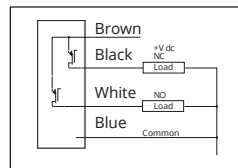
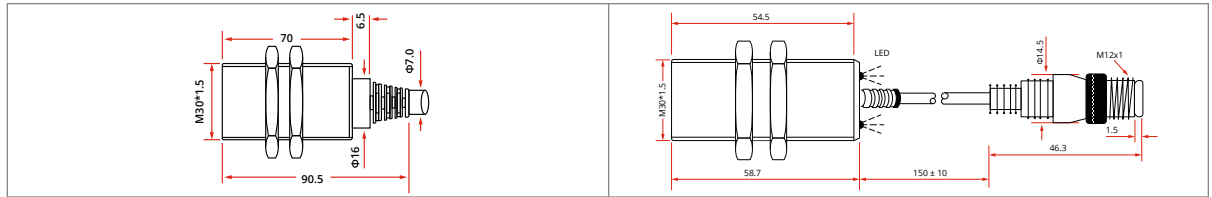


N.C./N.C. Output Configuration-6-Wire

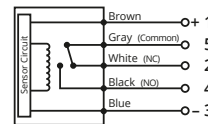


PART NUMBER	R-M30/10P-HA-2M	R-M30/10P-HC-0.23M/DEU
SENSING DISTANCE	10 mm	
OPERATING VOLTAGE	10-30 V DC	10-55 V DC
OPERATING TEMPERATURE	-25 °C - +100 °C	-25 °C - +70 °C
HOUSING MATERIAL	Nickel Plated Brass	
IP RATING	IP67	
EMC / SHOCK / VIBRATION	EN 60947-5-2:2007/A1:2012 / IEC 60947-5-2,part7.4.1 / IEC 60947-5-2,part7.4.1	
NO LOAD CURRENT	<30 mA	<10 mA
MAX LOAD CURRENT	8 A	3.5 A
CABLE LENGTH	2 m	0.23 m
CABLE OR PLUG	Cable: OD: 12.7 mm/PVC/BLACK ID: 0.16*84*6C(16AWG)	Cable: OD: 7.0 mm/PVC/GREY ID:0.16*42*4C

NOTE: Specifications subject to change without notification.



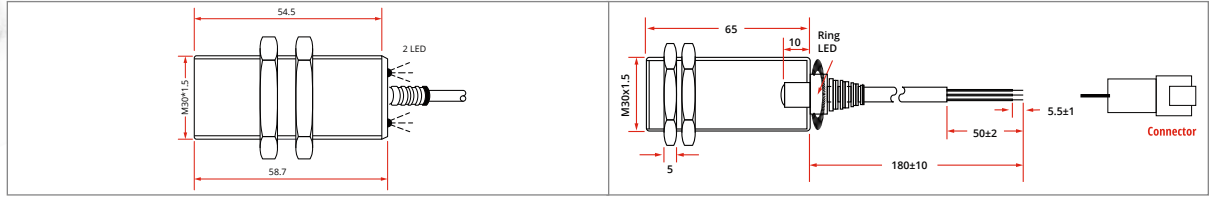
DC 10~30V Relay Output



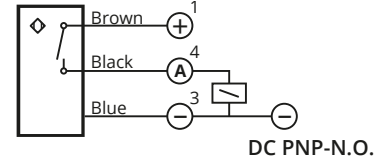
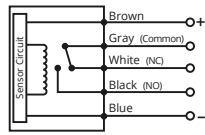
PART NUMBER	R-M30/10P-HC-2M	R-M30/10R-0.1M/M12
SENSING DISTANCE	10 mm	
OPERATING VOLTAGE	10-55 V DC	10-30 V DC
OPERATING TEMPERATURE	-25 °C - +70 °C	-25 °C - +75 °C
HOUSING MATERIAL	Nickel Plated Brass	
IP RATING	IP67	
EMC / SHOCK / VIBRATION	EN 60947-5-2:2007/A1:2012 / IEC 60947-5-2,part7.4.1 / IEC 60947-5-2,part7.4.1	
NO LOAD CURRENT	<10 mA	-
MAX LOAD CURRENT	3.5 A	SPDT NO/NC : 8A/3A 240 V AC
CABLE LENGTH	2 m	0.1 m
CABLE OR PLUG	Cable: OD: 7.0 mm/PVC/GREY ID:0.16*42*4C	Plug: 5 PIN

NOTE: Specifications subject to change without notification.

M30 MOBILE SENSORS

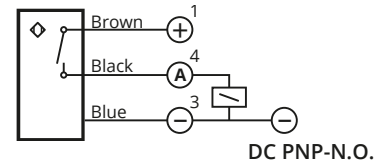
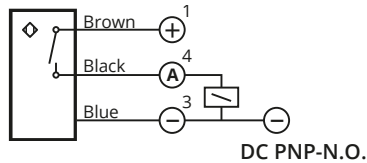
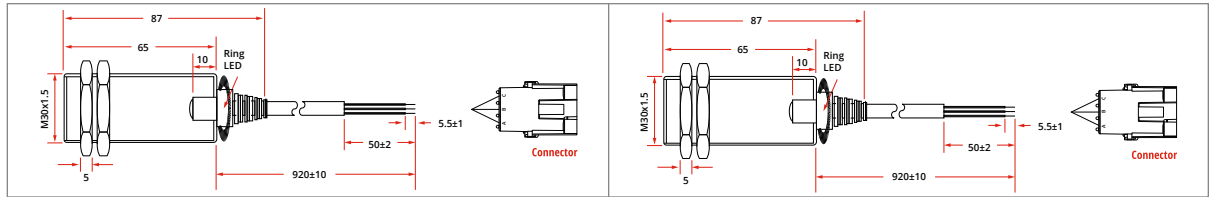


DC 10~30V Relay Output



PART NUMBER	R-M30/10R-2M	R-M30/15P-0.18M/DEU
SENSING DISTANCE	10 mm	
OPERATING VOLTAGE	10-30 V DC	10-30 V DC
OPERATING TEMPERATURE	-25 °C - +75 °C	-25 °C - +70 °C
HOUSING MATERIAL	Nickel Plated Brass	
IP RATING	IP67	
EMC / SHOCK / VIBRATION	EN 60947-5-2:2007/A1:2012 / IEC 60947-5-2,part7.4.1 / IEC 60947-5-2,part7.4.1	
NO LOAD CURRENT	-	<10 mA
MAX LOAD CURRENT	SPDT NO/NC : 8 A/3 A 240 V AC	200 mA
CABLE LENGTH	2 m	0.18 m
CABLE OR PLUG	Cable: OD: 7.2 mm/PVC/GREY ID: 0.16*42*5C(18AWG)	Cable: OD: 5.7 mm/PVC /GREY ID: 0.16*42*3C(18AWG)

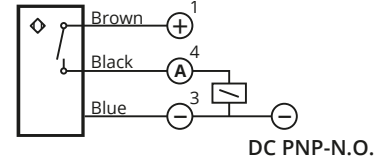
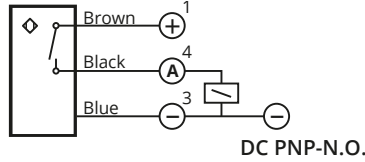
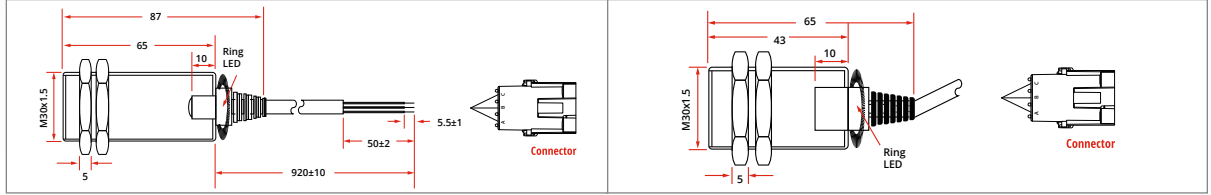
NOTE: Specifications subject to change without notification.



PART NUMBER	R-M30/15P-0.92/WP	R-M30/15P-1.06M/WP
SENSING DISTANCE	15 mm	
OPERATING VOLTAGE	10-30 V DC	10-30 V DC
OPERATING TEMPERATURE	-25 °C - +70 °C	-25 °C - +70 °C
HOUSING MATERIAL	Nickel Plated Brass	
IP RATING	IP67	
EMC / SHOCK / VIBRATION	EN 60947-5-2:2007/A1:2012 / IEC 60947-5-2,part7.4.1 / IEC 60947-5-2,part7.4.1	
NO LOAD CURRENT	<10 mA	<10 mA
MAX LOAD CURRENT	200 mA	200 mA
CABLE LENGTH	0.92 m	1.06 m
CABLE OR PLUG	Cable: OD: 5.7 mm/PVC /GREY ID: 0.16*42*3C(18AWG)	Cable: OD: 5.7 mm/PVC /GREY ID: 0.16*42*3C(18AWG)

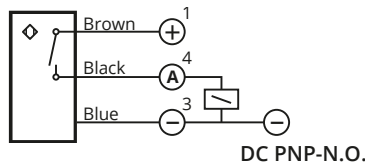
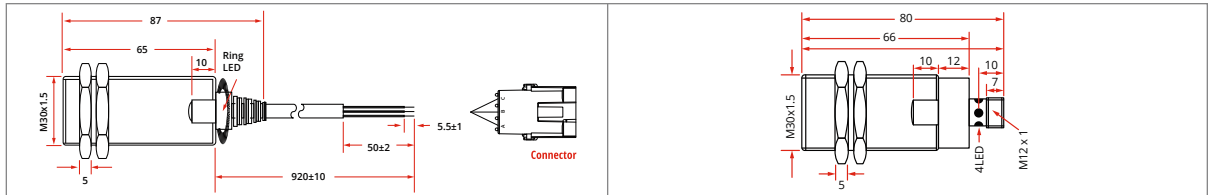
NOTE: Specifications subject to change without notification.

M30 MOBILE SENSORS



PART NUMBER	R-M30/15P-1.8M/WP	R-M30/15P-1M/WP
SENSING DISTANCE	15 mm	
OPERATING VOLTAGE	10-30 V DC	10-30 V DC
OPERATING TEMPERATURE	-25 °C - +70 °C	-25 °C - +70 °C
HOUSING MATERIAL	Nickel Plated Brass	
IP RATING	IP67	
EMC / SHOCK / VIBRATION	EN 60947-5-2:2007/A1:2012 / IEC 60947-5-2,part7.4.1 / IEC 60947-5-2,part7.4.1	
NO LOAD CURRENT	<10 mA	<10 mA
MAX LOAD CURRENT	200 mA	200 mA
CABLE LENGTH	1.8 m	1 m
CABLE OR PLUG	Cable: OD: 5.7 mm/PVC /GREY ID: 0.16*42*3C(18AWG)	Cable: OD: 5.7 mm/PVC /GREY ID: 0.16*42*3C(18AWG)

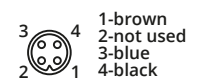
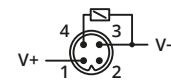
NOTE: Specifications subject to change without notification.



DC 3-wire NPN-N.O.

Connector face view

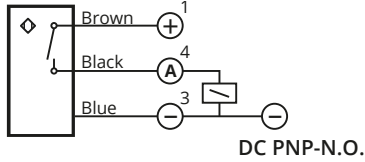
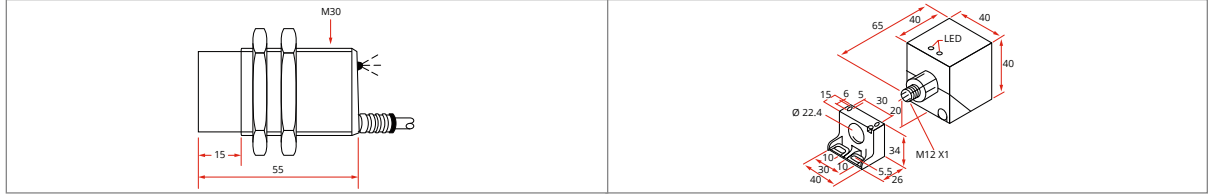
Female plug end view



PART NUMBER	R-M30/15P-2M/WP	R-M30/15P-M12
SENSING DISTANCE	15 mm	
OPERATING VOLTAGE	10-30 V DC	10-30 V DC
OPERATING TEMPERATURE	-25 °C - +70 °C	-25 °C - +70 °C
HOUSING MATERIAL	Nickel Plated Brass	
IP RATING	IP67	
EMC / SHOCK / VIBRATION	EN 60947-5-2:2007/A1:2012 / IEC 60947-5-2,part7.4.1 / IEC 60947-5-2,part7.4.1	
NO LOAD CURRENT	<10 mA	<10 mA
MAX LOAD CURRENT	200 mA	200 mA
CABLE LENGTH	2 m	-
CABLE OR PLUG	Cable: OD: 5.7 mm/PVC /GREY ID: 0.16*42*3C(18AWG)	Plug: 4 PIN

NOTE: Specifications subject to change without notification.

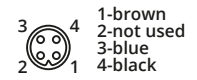
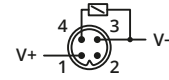
M30/SQUARE MOBILE SENSORS



DC 3-wire PNP-N.O.

Connector face view

Female plug end view



PART NUMBER	R-M30B/25P-3M	R-S40X40/20P/M12
SENSING DISTANCE	25 mm	20 mm
OPERATING VOLTAGE	10-30 V DC	10-30 V DC
OPERATING TEMPERATURE	-25 °C - +70 °C	-25 °C - +70 °C
HOUSING MATERIAL	Nickel Plated Brass	
IP RATING	IP67	
EMC / SHOCK / VIBRATION	EN 60947-5-2:2007/A1:2012 / IEC 60947-5-2,part7.4.1 / IEC 60947-5-2,part7.4.1	
NO LOAD CURRENT	<10 mA	<10 mA
MAX LOAD CURRENT	200 mA	200 mA
CABLE LENGTH	3 m	-
CABLE OR PLUG	Cable: OD: 5.8 mm/PVC/GREY ID: 42*0.1*3C	Plug: M12-4 PIN

NOTE: Specifications subject to change without notification.

MOBILE SENSORS FOR GARBAGE AND RECYCLING TRUCKS, LANE MARKING EQUIPMENT, CONSTRUCTION VEHICLES AND OTHER MOBILE APPLICATIONS ARE THE BEST CHOICE FOR DURABILITY, VIBRATION PROTECTION AND EASE OF INSTALL.



TOLL FREE: 1-800-644-1756

HTMTM
SENSORS



LONG RANGE PROXIMITY SENSORS

**One of our most popular lines
of proximity sensors.**

M8 shielded sensors with a 3 mm range, M12 shielded sensors with a 6 mm range, and M18 sensors with a 12 mm range allow for reliable sensing at further distances to reduce contact abuse to the sensor face, which reduces damage and downtime. Unshielded models are also available for an even longer range.



HTMSSENSORS.COM

Triple the standard range!

Go to htmsensors.com and click on [Chat Now](#)  at the bottom right for fast and reliable service from one of our sales professionals waiting to hear from you!

Protect sensors from contact! Reduce downtime!

Call: **800-644-1756** or email: service@htmsensors.com



World Class Sensors • First Class Service

DO YOU HAVE TROUBLE FINDING PARTS?

ARE YOU HAVING LEAD-TIME ISSUES?

TAKE THE **PART #**
challenge

TAKE THE HTM SENSORS PART # CHALLENGE!

Send us your parts to cross-reference to ours. We will show you significant savings versus the part you are currently using.

ARE YOU BREAKING SENSORS TOO OFTEN?

Just ask us for help. Our one-piece stainless steel body and face sensors typically last up to 10x longer than standard sensors.

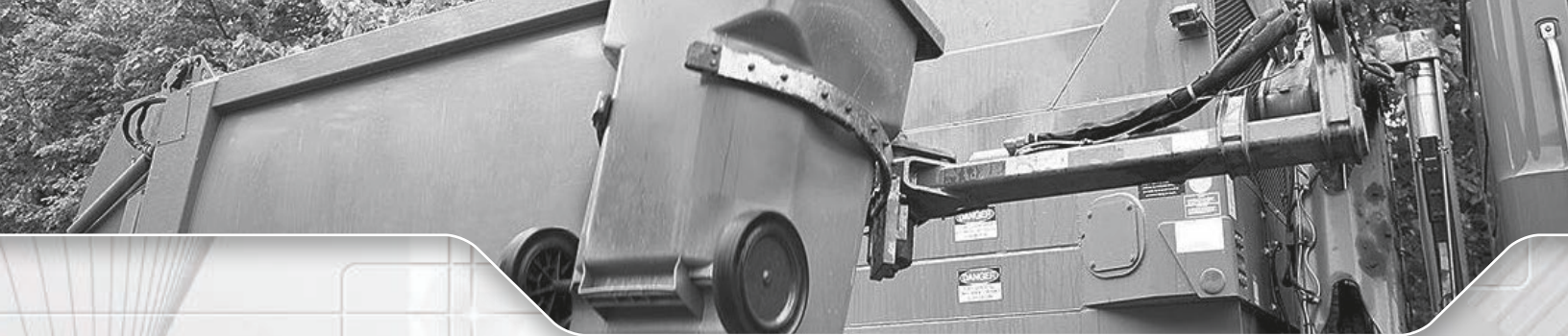
Call, email or use our **LIVE CHAT** with a cross reference to challenge HTM Sensors to save you money! Or download our Part # Challenge form at:

https://www.htmsensors.com/content/HTM_PartNumber_Challenge.pdf

**FOR ALL YOUR OTHER MANUFACTURING NEEDS,
LET US SAVE YOU MONEY TODAY!**

CONTACT US TODAY FOR MORE INFORMATION AND FOR PRICING.

800-644-1756 • sales@htmsensors.com



In the USA: 1889 Maryland Ave., Niagara Falls, NY 14305
In Canada: 3419 Mainway, Burlington, ON L7M 1A9

Toll Free: 1-800-644-1756



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