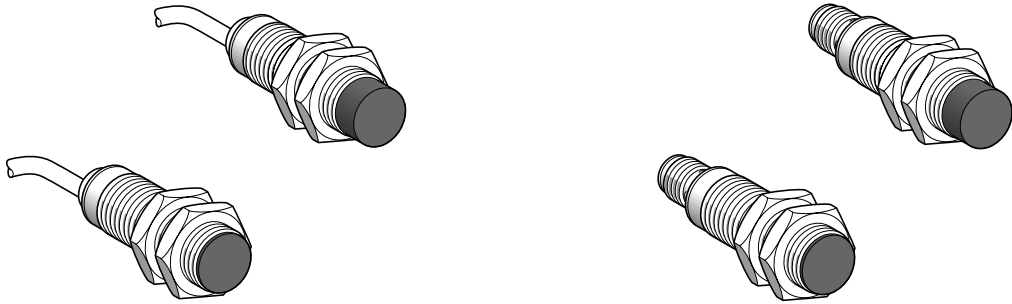


Inductive proximity sensor

DC 4 wires version



Applicable on proximity switches bearing the UL and CSA marks only:
Enclosure : Type 4X, 12 & 13.



We welcome your comments about this document. You can reach us through the customer support page on your local website.

DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION OR ARC FLASH

- Disconnect allower before servicing equipment.
- Do not connect this device to AC power.
- Use only the specified voltage when operating this equipment and any associated products.

Failure to follow these instructions will result in death or serious injury.

WARNING

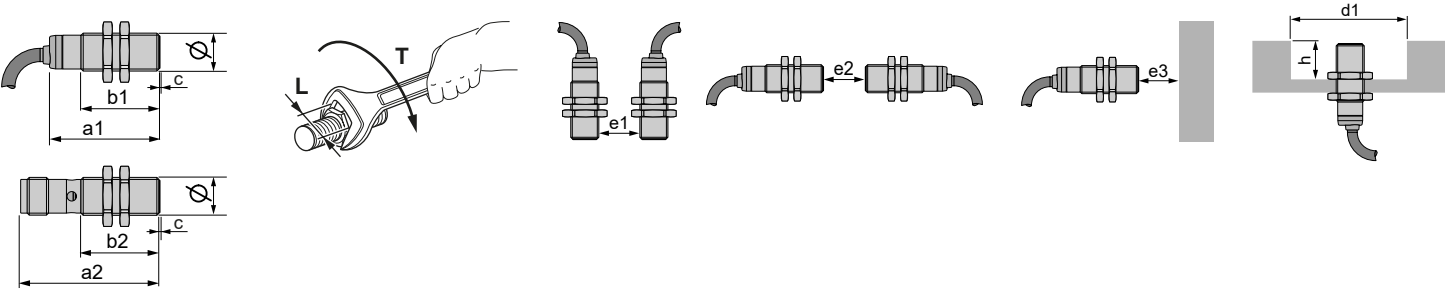
IMPROPER SETUP OR INSTALLATION

- This equipment must only be installed and serviced by qualified personnel.
- Read, understand, and follow the compliance below, before installing the device.
- Do not tamper with or make alterations on the device.
- Comply with the wiring and mounting instructions.
- Check the connections and fastening during maintenance operations.
- The proper functioning of the device and its operating line must be checked regularly and according to the application (for example number of operations, level of environmental pollution, etc.).

Failure to follow these instructions can result in death, serious injury, or equipment damage.

The products have been designed in accordance with the standards in effect: IEC 60947-5-2.

Dimensions

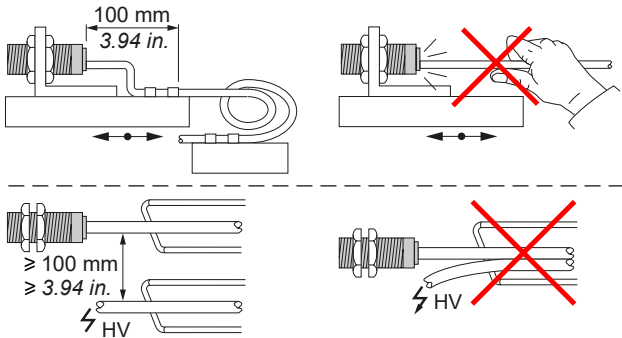
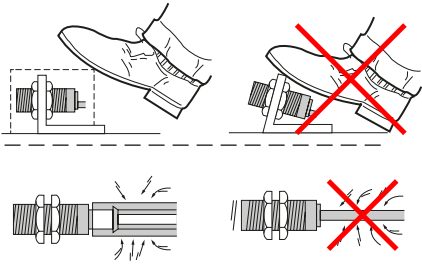
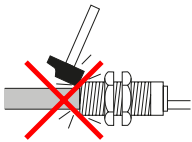


		∅	Sn	Sn+	a1	a2	b1	b2	c	L	T	e1 ≥		e2 ≥		e3 ≥		d1 ≥		h ≥	
		mm	mm	mm	mm	mm	mm	mm	mm	mm	Nm / lb-in.	Sn	Sn+	Sn	Sn+	Sn	Sn+	Sn	Sn+	Sn	
metal		M12x1	2	4	37	50	25	31	0	17	6 / 53.1	4	8	24	50	6	12	12	12	0	
		M18x1	5	8	41	51	29	28	0	24	15 / 177	10	16	60	100	15	25	18	18	0	
		M30x1,5	10	15	45	54	33	33	0	36	40 / 472	20	30	120	180	30	45	30	30	0	
metal		M12x1	4		38	53	25	29	5	17	6 / 53.1	16		48		12		36		8	
		M18x1	8		37	49	20	20	8	24	15 / 177	16		96		24		54		16	
		M30x1,5	15		41	53	19	19	13	36	40 / 472	60		180		45		90		30	
plastic		M12x1	4		37	50	25	31	0	17	2 / 17.7	16		48		12		36		8	
		M18x1	8		41	51	29	28	0	24	5 / 44.3	16		96		24		54		16	
		M30x1,5	15		45	54	33	33	0	36	15 / 177	60		180		45		90		30	

Sn+ : Increased range model

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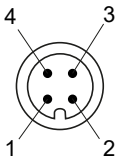
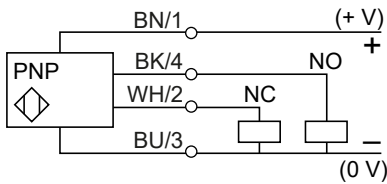
Mounting, wiring and maintenance precautions



NOTICE
REDUCTION OF SERVICE LIFE
Do not pull on the sensor cable.
Failure to follow these instructions can result in equipment damage.

CAUTION
DEGREE OF PROTECTION DETERIORATION
Do not apply excessive tightening torque on the sensor during the installation process.
Failure to follow these instructions can result in injury or equipment damage.

Wiring diagrams



BN	Brown
BU	Blue
BK	Black
WH	White

Voltage limits	9...36 V
Load switching capacity	0...200 mA
Voltage drop	< 2 V
Current consumption	< 10 mA
Operating temperature	-25...+70 °C / -13...+158 °F [-40...+70 °C (-40...+158 °F) and -25...+85 °C (-13...+185 °F), on order]

	NO	NC	LED
	Opened	Closed	⊗
	Closed	Opened	⊙
	Opened	Opened	⊗



Manufacturer:
TMSS France
Tour Egho - 2 avenue Gambetta
92400 Courbevoie
France



UK Representative:
Yageo TMSS UK Limited
2 North Park Road
Harrogate, HG1 5PA
United Kingdom