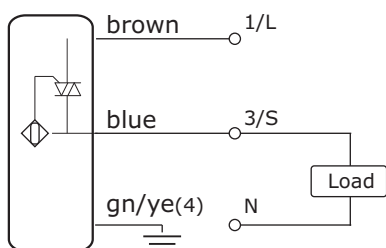
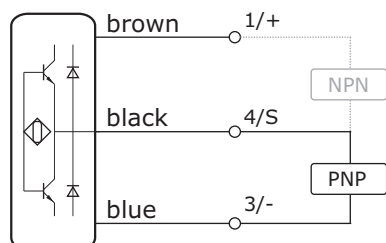


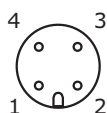
Inductive Proximity Switches

10...30 VDC | 20... 250 VAC

Output Schematics

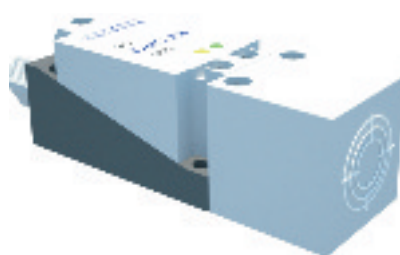


Connector M12

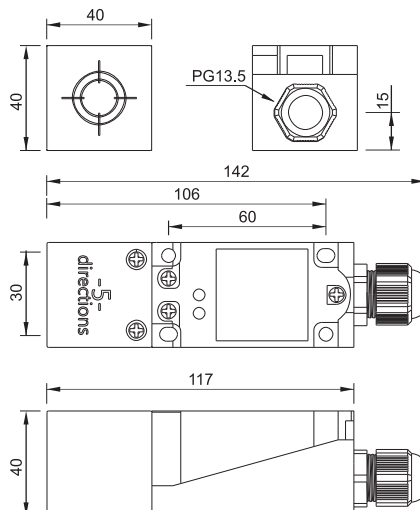


Not to be
used for
Safety
Applications

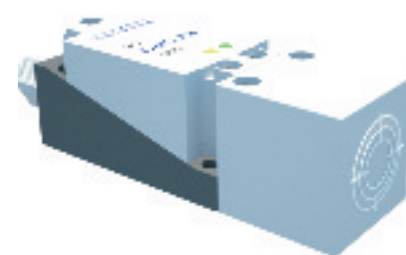
40x40



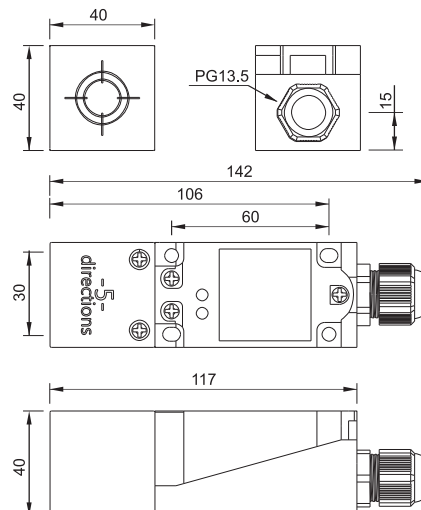
15 mm



40x40



20 mm



SPECIFICATIONS

	40x40 mm	40x40 mm	40x40 mm	40x40 mm
Sensing Distance	15 mm - Shielded	15 mm - Shielded	20 mm - Semi	20 mm - Semi
Operating Voltage	10... 30 10... 55 VDC	20... 250 VAC, 2-wire	10... 30 10... 55 VDC	20... 250 VAC, 2-wire
Reverse Polarity Protection	built-in	not required	built-in	not required
Idle Current	< 11 mA	< 2 mA (Idle Current)	< 11 mA	< 2 mA (Idle Current)
Current Load Capability	200 mA	400 mA	200 mA	400 mA
Short Circuit Protection	built-in - self resetting	built-in - self resetting	built-in - self resetting	built-in - self resetting
Voltage Drop	< 2 V @ 200 mA	< 8 V @ 400 mA	< 2 V @ 200 mA	< 8 V @ 400 mA
Switching Frequency	120 Hz	25 Hz	120 Hz	25 Hz
Repeatability	< 1 % (Sn)	< 1 % (Sn)	< 1 % (Sn)	< 1 % (Sn)
Hysteresis	3...15 %	3...15 %	3...15 %	3...15 %
Operating Temperature	-25...75 °C	-25...75 °C	-25...75 °C	-25...75 °C
Protection Class	IP67	IP67	IP67	IP67
Sensing Face Material	PBT	PBT	PBT	PBT
Housing Material	PBT	PBT	PBT	PBT
Connection	PG13.5, Terminal	PG13.5, Terminal	PG13.5, Terminal	PG13.5, Terminal
Output Indicator	Integrated	Integrated	Integrated	Integrated
Article Code				
3-wire NO+NC, PNP	IPS40-S15PCOL/PG13		IPS40-S20PCOL/PG13	
3-wire NO+NC, NPN	IPS40-S15NCOL/PG13		IPS40-S20NCOL/PG13	
2-wire NO, 10... 55 VDC	IPS40-S15DOL/PG13		IPS40-S20DOL/PG13	
2-wire NC, 10... 55 VDC	IPS40-S15DCL/PG13		IPS40-S20DCL/PG13	
2-wire NO, 20... 250 VAC		IPS40-S15AOL/PG13		IPS40-S20AOL/PG13
2-wire NC, 20... 250 VAC		IPS40-S15ACL/PG13		IPS40-S20ACL/PG13

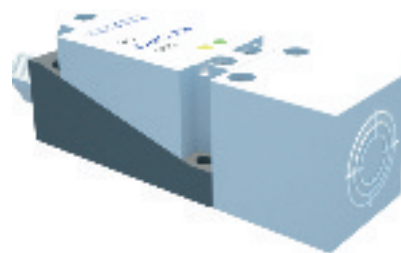
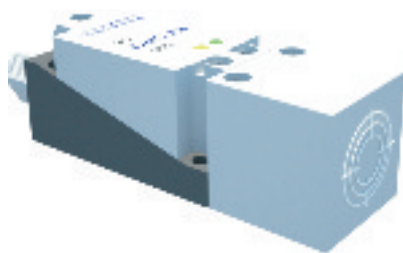
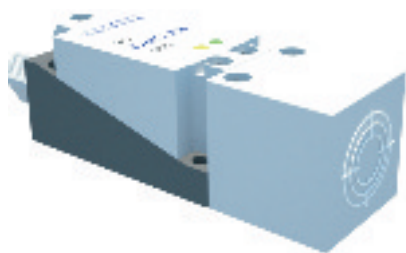
Inductive Proximity Switches

10...30 VDC | 20... 250 VAC

40x40

40x40

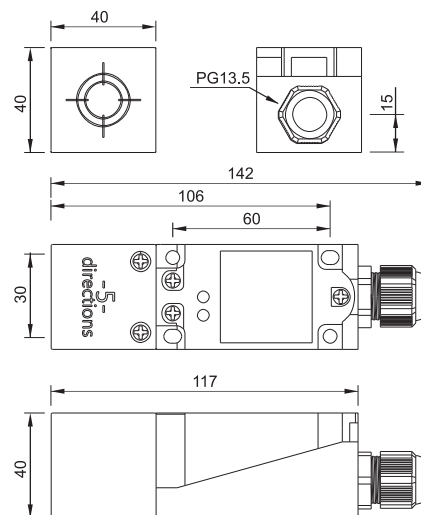
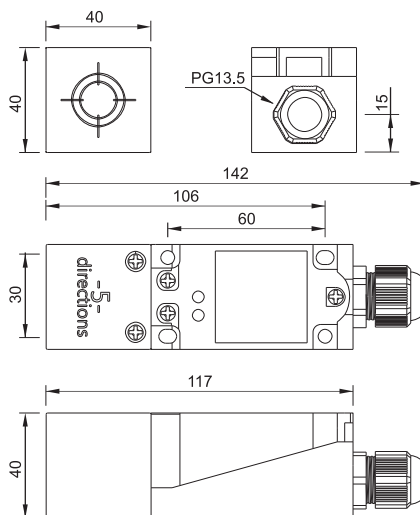
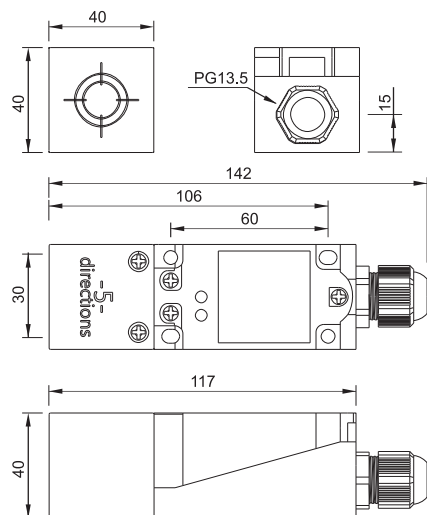
40x40



25 mm

30 mm

40 mm



40x40 mm

40x40 mm

40x40 mm

40x40 mm

25 mm - Shielded

30 mm - Unshielded

30 mm - Unshielded

40 mm - Unshielded

10... 30 | 10... 55 VDC

built-in

< 11 mA

200 mA

built-in - self resetting

< 2 V @ 200 mA

120 Hz

< 1 % (Sn)

3...15 %

-25...75 °C

IP67

PBT

PBT

PG13.5, Terminal

Integrated

3...15 %

-25...75 °C

IP67

PBT

PBT

10... 30 | 10... 55 VDC

built-in

< 11 mA

200 mA

built-in - self resetting

< 2 V @ 200 mA

120 Hz

< 1 % (Sn)

3...15 %

-25...75 °C

IP67

PBT

PBT

PG13.5, Terminal

Integrated

20... 250 VAC, 2-wire

built-in

< 2 mA (Idle Current)

400 mA

built-in - self resetting

< 8 V @ 400 mA

25 Hz

< 1 % (Sn)

3...15 %

-25...75 °C

IP67

PBT

PBT

PG13.5, Terminal

Integrated

10... 30 | 10... 55 VDC

built-in

< 11 mA

200 mA

built-in - self resetting

< 2 V @ 200 mA

120 Hz

< 1 % (Sn)

3...15 %

-25...75 °C

IP67

PBT

PBT

PG13.5, Terminal

Integrated

IPS40-S25PCOL/PG13

IPS40-S25NCOL/PG13

IPS40-N30PCOL/PG13

IPS40-N30NCOL/PG13

IPS40-N30DOL/PG13

IPS40-N30DCL/PG13

IPS40-N40PCOL/PG13

IPS40-N40NCOL/PG13

IPS40-N30AOL/PG13

IPS40-N30ACL/PG13