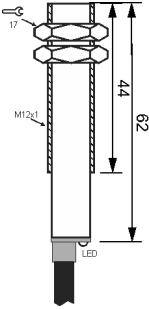
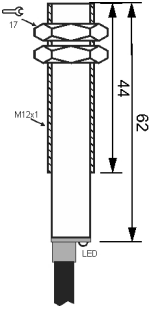
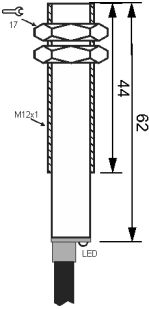
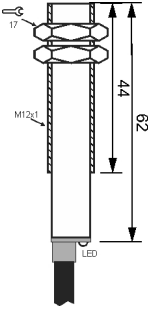
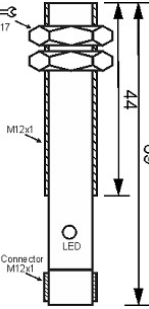
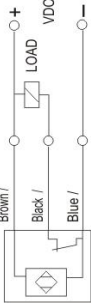
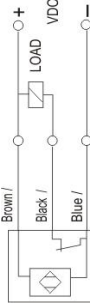
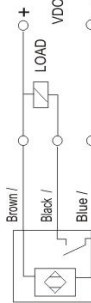
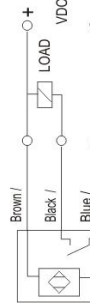
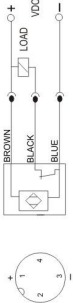


Inductive DC three-wire NPN sensors

housing					
	M12X1Ni PLATED Brass	M12X1Ni PLATED Brass	M12X1Ni PLATED Brass	M12X1Ni PLATED Brass	M12X1Ni PLATED Brass
code	IPS-302-CN-12	IPS-302-CN-12-V	IPS-302-ON-12	IPS-302-ON-12-V	IPS-302-CN-12-S4
number of wires	3	3	3	3	3
switching distance	2 mm	2 mm	2 mm	2 mm	2 mm
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
influence protection	IP67	IP67	IP67	IP67	IP66
output	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m	4Pin SOCKET
output stage	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR
output function	NC	NC	NO	NO	NC
voltage range	10-30VDC	10-60VDC	10-30VDC	10-60VDC	10-30VDC
max output current	250	250	250	250	250
max output frequency	1500 Hz	1500 Hz	1500 Hz	1500 Hz	1500 Hz
indicator led	yes	yes	yes	yes	yes
max drop voltage	2 V	2 V	2 V	2 V	2 V
max no-load or leakage current	15 mA	15 mA	15 mA	15 mA	15 mA
pressure rate	3 bar	3 bar	3 bar	3 bar	3 bar
mounting	flush(shielded)	flush(shielded)	flush(shielded)	flush(shielded)	flush(shielded)
revers voltage protection	yes	yes	yes	yes	yes
short circuit protection	yes	yes	yes	yes	yes
pick voltage protection	yes	yes	yes	yes	yes
circuit					

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Inductive DC three-wire NPN sensors

housing					
	M12X1Ni PLATED Brass	M12X1Ni PLATED Brass	M12X1Ni PLATED Brass	M12X1Ni PLATED Brass	M12X1Ni PLATED Brass
code	IPS-302-CN-12-V-S4	IPS-302-ON-12-S4	IPS-302-ON-12-V-S4	IPS-304-CN-12	IPS-304-CN-12-V
number of wires	3	3	3	3	3
switching distance	2 mm	2 mm	2 mm	4 mm	4 mm
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
influence protection	IP66	IP66	IP66	IP67	IP67
output	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m
output stage	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR
output function	NC	NO	NO	NC	NC
voltage range	10-60VDC	10-30VDC	10-60VDC	10-30VDC	10-60VDC
max output current	250	250	250	250	250
max output frequency	1500 Hz	1500 Hz	1500 Hz	1500 Hz	1500 Hz
indicator led	yes	yes	yes	yes	yes
max drop voltage	2 V	2 V	2 V	2 V	2 V
max no-load or leakage current	15 mA	15 mA	15 mA	15 mA	15 mA
pressure rate	3 bar	3 bar	3 bar	3 bar	3 bar
mounting	flush(shielded)	flush(shielded)	flush(shielded)	non flush (unshielded)	non flush (unshielded)
revers voltage protection	yes	yes	yes	yes	yes
short circuit protection	yes	yes	yes	yes	yes
pick voltage protection	yes	yes	yes	yes	yes
circuit					

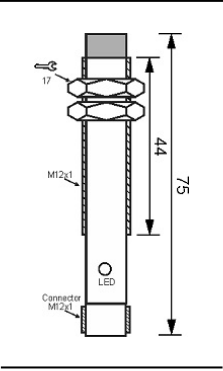
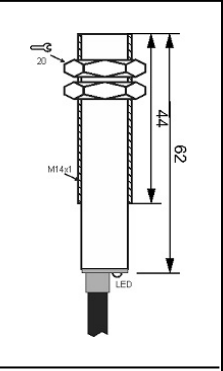
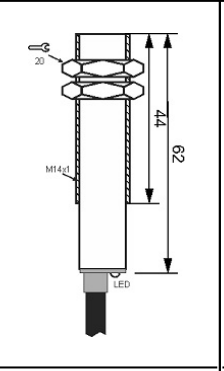
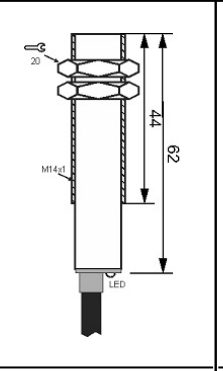
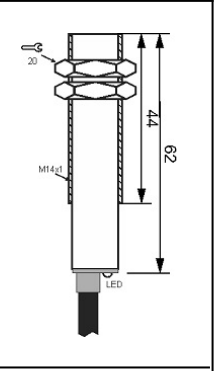
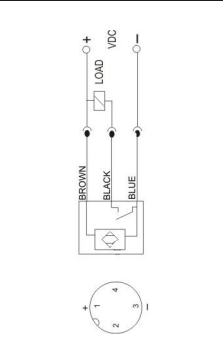
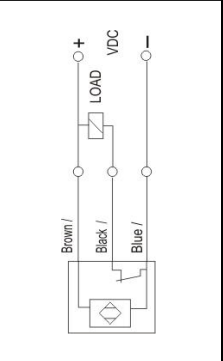
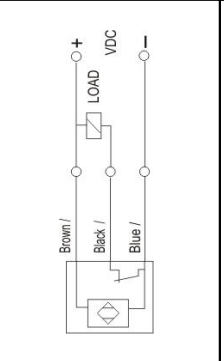
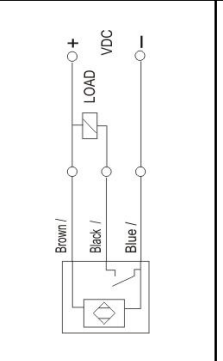
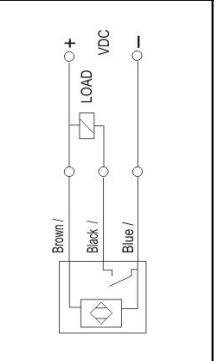
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Inductive DC three-wire NPN sensors

housing					
	M12X1Ni PLATED Brass	M12X1Ni PLATED Brass	M12X1Ni PLATED Brass	M12X1Ni PLATED Brass	M12X1Ni PLATED Brass
code	IPS-304-ON-12	IPS-304-ON-12-V	IPS-304-CN-12-S4	IPS-304-CN-12-V-S4	IPS-304-ON-12-S4
number of wires	3	3	3	3	3
switching distance	4 mm	4 mm	4 mm	4 mm	4 mm
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
influence protection	IP67	IP67	IP66	IP66	IP66
output	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET
output stage	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR
output function	NO	NO	NC	NC	NO
voltage range	10-30VDC	10-60VDC	10-30VDC	10-60VDC	10-30VDC
max output current	250	250	250	250	250
max output frequency	1500 Hz	1500 Hz	1500 Hz	1500 Hz	1500 Hz
indicator led	yes	yes	yes	yes	yes
max drop voltage	2 V	2 V	2 V	2 V	2 V
max no-load or leakage current	15 mA	15 mA	15 mA	15 mA	15 mA
pressure rate	3 bar	3 bar	3 bar	3 bar	3 bar
mounting	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)
revers voltage protection	yes	yes	yes	yes	yes
short circuit protection	yes	yes	yes	yes	yes
pick voltage protection	yes	yes	yes	yes	yes
circuit					

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Inductive DC three-wire NPN sensors

housing					
	M12X1Ni PLATED Brass	M14X1Ni PLATED Brass	M14X1Ni PLATED Brass	M14X1Ni PLATED Brass	M14X1Ni PLATED Brass
code	IPS-304-ON-12-V-S4	IPS-303-CN-14	IPS-303-CN-14-V	IPS-303-ON-14	IPS-303-ON-14-V
number of wires	3	3	3	3	3
switching distance	4 mm	3 mm	3 mm	3 mm	3 mm
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
influence protection	IP66	IP67	IP67	IP67	IP67
output	4Pin SOCKET	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m
output stage	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR
output function	NO	NC	NC	NO	NO
voltage range	10-60VDC	10-30VDC	10-60VDC	10-30VDC	10-60VDC
max output current	250	250	250	250	250
max output frequency	1500 Hz	1500 Hz	1500 Hz	1500 Hz	1500 Hz
indicator led	yes	yes	yes	yes	yes
max drop voltage	2 V	2 V	2 V	2 V	2 V
max no-load or leakage current	15 mA	15 mA	15 mA	15 mA	15 mA
pressure rate	3 bar	3 bar	3 bar	3 bar	3 bar
mounting	non flush (unshielded)	flush(shielded)	flush(shielded)	flush(shielded)	flush(shielded)
revers voltage protection	yes	yes	yes	yes	yes
short circuit protection	yes	yes	yes	yes	yes
pick voltage protection	yes	yes	yes	yes	yes
circuit					

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Inductive DC three-wire NPN sensors

housing					
	M14X1Ni PLATED Brass	M14X1Ni PLATED Brass	M14X1Ni PLATED Brass	M14X1Ni PLATED Brass	M14X1Ni PLATED Brass
code	IPS-303-CN-14-S4	IPS-303-CN-14-V-S4	IPS-303-ON-14-S4	IPS-303-ON-14-V-S4	IPS-305-CN-14
number of wires	3	3	3	3	3
switching distance	3 mm	3 mm	3 mm	3 mm	5 mm
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
influence protection	IP66	IP66	IP66	IP66	IP67
output	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET	CABLE3X0.25-1.5m
output stage	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR
output function	NC	NC	NO	NO	NC
voltage range	10-30VDC	10-60VDC	10-30VDC	10-60VDC	10-30VDC
max output current	250	250	250	250	250
max output frequency	1500 Hz	1500 Hz	1500 Hz	1500 Hz	1000 Hz
indicator led	yes	yes	yes	yes	yes
max drop voltage	2 V	2 V	2 V	2 V	2 V
max no-load or leakage current	15 mA	15 mA	15 mA	15 mA	15 mA
pressure rate	3 bar	3 bar	3 bar	3 bar	3 bar
mounting	flush(shielded)	flush(shielded)	flush(shielded)	flush(shielded)	non flush (unshielded)
revers voltage protection	yes	yes	yes	yes	yes
short circuit protection	yes	yes	yes	yes	yes
pick voltage protection	yes	yes	yes	yes	yes
circuit					

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Inductive DC three-wire NPN sensors

housing					
	M14X1Ni PLATED Brass	M14X1Ni PLATED Brass	M14X1Ni PLATED Brass	M14X1Ni PLATED Brass	M14X1Ni PLATED Brass
code	IPS-305-CN-14-V	IPS-305-ON-14	IPS-305-ON-14-V	IPS-305-CN-14-S4	IPS-305-CN-14-V-S4
number of wires	3	3	3	3	3
switching distance	5 mm	5 mm	5 mm	5 mm	5 mm
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
influence protection	IP67	IP67	IP67	IP66	IP66
output	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m	4Pin SOCKET	4Pin SOCKET
output stage	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR
output function	NC	NO	NO	NC	NC
voltage range	10-60VDC	10-30VDC	10-60VDC	10-30VDC	10-60VDC
max output current	250	250	250	250	250
max output frequency	1000 Hz	1000 Hz	1000 Hz	1000 Hz	1000 Hz
indicator led	yes	yes	yes	yes	yes
max drop voltage	2 V	2 V	2 V	2 V	2 V
max no-load or leakage current	15 mA	15 mA	15 mA	15 mA	15 mA
pressure rate	3 bar	3 bar	3 bar	3 bar	3 bar
mounting	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)
revers voltage protection	yes	yes	yes	yes	yes
short circuit protection	yes	yes	yes	yes	yes
pick voltage protection	yes	yes	yes	yes	yes
circuit					

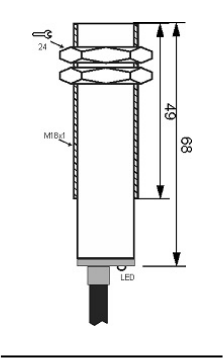
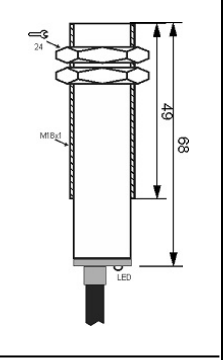
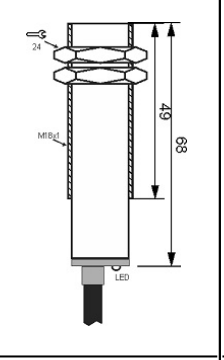
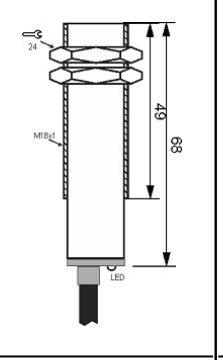
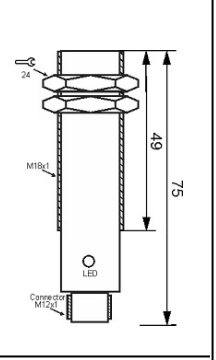
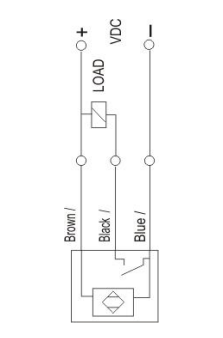
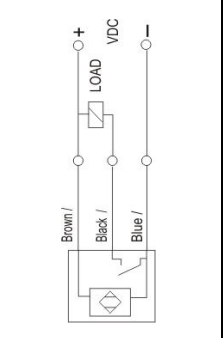
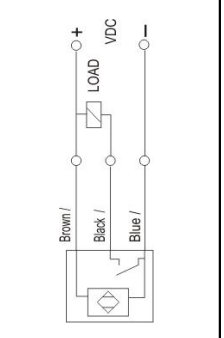
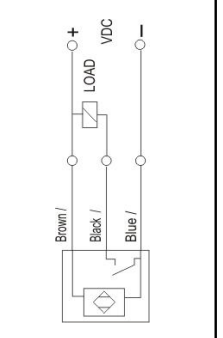
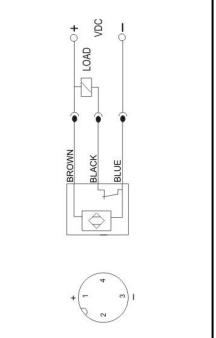
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Inductive DC three-wire NPN sensors

housing					
	M14X1Ni PLATED Brass	M14X1Ni PLATED Brass	M18X1Ni PLATED Brass	M18X1Ni PLATED Brass	M18X1Ni PLATED Brass
code	IPS-305-ON-14-S4	IPS-305-ON-14-V-S4	IPS-305-CN-18	IPS-305-CN-18-V	IPS-305-CN-18-VI
number of wires	3	3	3	3	3
switching distance	5 mm	5 mm	5 mm	5 mm	5 mm
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
influence protection	IP66	IP66	IP67	IP67	IP67
output	4Pin SOCKET	4Pin SOCKET	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m
output stage	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR
output function	NO	NO	NC	NC	NC
voltage range	10-30VDC	10-60VDC	10-30VDC	10-60VDC	10-60VDC
max output current	250	250	250	250	450
max output frequency	1000 Hz	1000 Hz	700 Hz	700 Hz	700 Hz
indicator led	yes	yes	yes	yes	yes
max drop voltage	2 V	2 V	2 V	2 V	2 V
max no-load or leakage current	15 mA	15 mA	15 mA	15 mA	15 mA
pressure rate	3 bar	3 bar	3 bar	3 bar	3 bar
mounting	non flush (unshielded)	non flush (unshielded)	flush(shielded)	flush(shielded)	flush(shielded)
revers voltage protection	yes	yes	yes	yes	yes
short circuit protection	yes	yes	yes	yes	yes
pick voltage protection	yes	yes	yes	yes	yes
circuit					

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Inductive DC three-wire NPN sensors

housing					
	M18X1Ni PLATED Brass	M18X1Ni PLATED Brass	M18X1Ni PLATED Brass	M18X1Ni PLATED Brass	M18X1Ni PLATED Brass
code	IPS-305-ON-18	IPS-305-ON-18-SP	IPS-305-ON-18-V	IPS-305-ON-18-VI	IPS-305-CN-18-S4
number of wires	3	3	3	3	3
switching distance	5 mm	5 mm	5 mm	5 mm	5 mm
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
influence protection	IP67	IP67	IP67	IP67	IP66
output	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m	4Pin SOCKET
output stage	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR
output function	NO	NO	NO	NO	NC
voltage range	10-30VDC	10-30VDC	10-60VDC	10-60VDC	10-30VDC
max output current	250	250	250	450	250
max output frequency	700 Hz	700 Hz	700 Hz	700 Hz	700 Hz
indicator led	yes	yes	yes	yes	yes
max drop voltage	2 V	2 V	2 V	2 V	2 V
max no-load or leakage current	15 mA	15 mA	15 mA	15 mA	15 mA
pressure rate	3 bar	3 bar	3 bar	3 bar	3 bar
mounting	flush(shielded)	flush(shielded)	flush(shielded)	flush(shielded)	flush(shielded)
revers voltage protection	yes	yes	yes	yes	yes
short circuit protection	yes	yes	yes	yes	yes
pick voltage protection	yes	yes	yes	yes	yes
circuit					

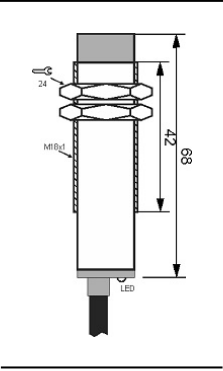
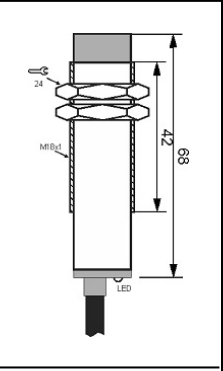
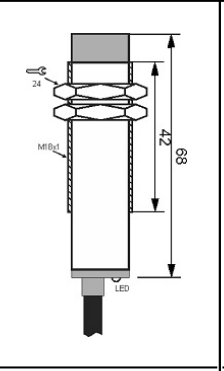
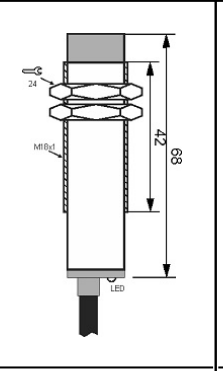
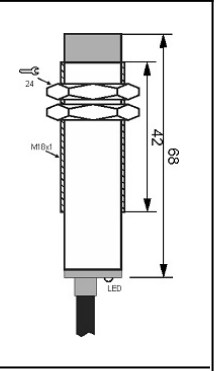
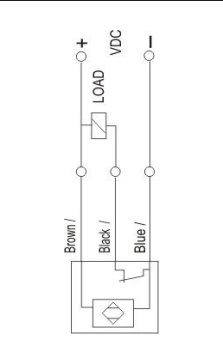
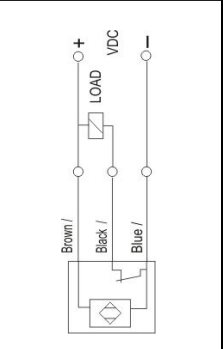
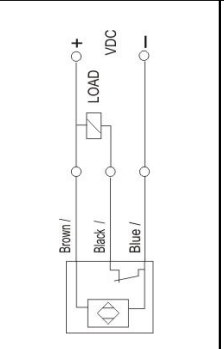
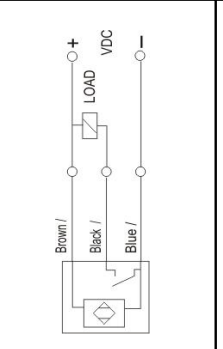
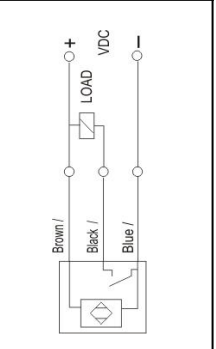
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Inductive DC three-wire NPN sensors

housing					
	M18X1Ni PLATED Brass	M18X1Ni PLATED Brass	M18X1Ni PLATED Brass	M18X1Ni PLATED Brass	M18X1Ni PLATED Brass
code	IPS-305-CN-18-VI-S4	IPS-305-CN-18-V-S4	IPS-305-ON-18-S4	IPS-305-ON-18-VI-S4	IPS-305-ON-18-V-S4
number of wires	3	3	3	3	3
switching distance	5 mm	5 mm	5 mm	5 mm	5 mm
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
influence protection	IP66	IP66	IP66	IP66	IP66
output	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET
output stage	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR
output function	NC	NC	NO	NO	NO
voltage range	10-60VDC	10-60VDC	10-30VDC	10-60VDC	10-60VDC
max output current	450	250	250	450	250
max output frequency	700 Hz	700 Hz	700 Hz	700 Hz	700 Hz
indicator led	yes	yes	yes	yes	yes
max drop voltage	2 V	2 V	2 V	2 V	2 V
max no-load or leakage current	15 mA	15 mA	15 mA	15 mA	15 mA
pressure rate	3 bar	3 bar	3 bar	3 bar	3 bar
mounting	flush(shielded)	flush(shielded)	flush(shielded)	flush(shielded)	flush(shielded)
revers voltage protection	yes	yes	yes	yes	yes
short circuit protection	yes	yes	yes	yes	yes
pick voltage protection	yes	yes	yes	yes	yes
circuit					

Inductive DC three-wire NPN sensors

housing					
	M18X1Ni PLATED Brass	M18X1Ni PLATED Brass	M18X1Ni PLATED Brass	M18X1Ni PLATED Brass	M18X1Ni PLATED Brass
code	IPS-308-CN-18	IPS-308-CN-18-V	IPS-308-CN-18-VI	IPS-308-ON-18	IPS-308-ON-18-V
number of wires	3	3	3	3	3
switching distance	8 mm	8 mm	8 mm	8 mm	8 mm
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
influence protection	IP67	IP67	IP67	IP67	IP67
output	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m
output stage	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR
output function	NC	NC	NC	NO	NO
voltage range	10-30VDC	10-60VDC	10-60VDC	10-30VDC	10-60VDC
max output current	250	250	450	250	250
max output frequency	700 Hz	700 Hz	700 Hz	700 Hz	700 Hz
indicator led	yes	yes	yes	yes	yes
max drop voltage	2 V	2 V	2 V	2 V	2 V
max no-load or leakage current	15 mA	15 mA	15 mA	15 mA	15 mA
pressure rate	3 bar	3 bar	3 bar	3 bar	3 bar
mounting	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)
revers voltage protection	yes	yes	yes	yes	yes
short circuit protection	yes	yes	yes	yes	yes
pick voltage protection	yes	yes	yes	yes	yes
circuit					

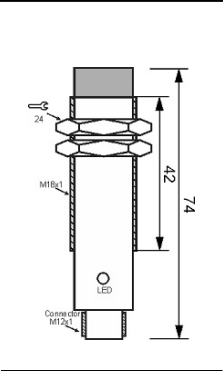
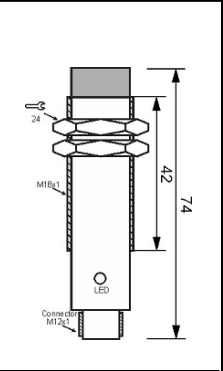
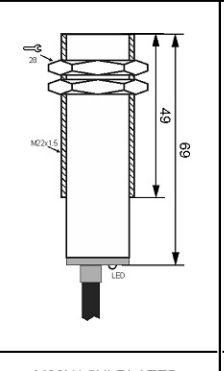
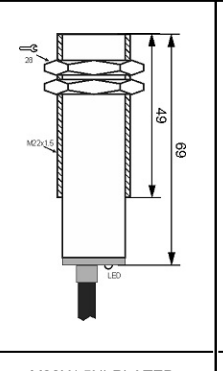
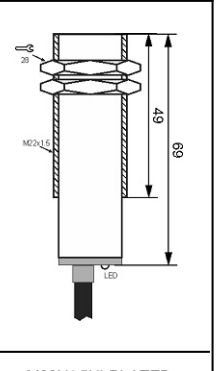
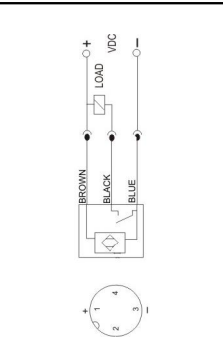
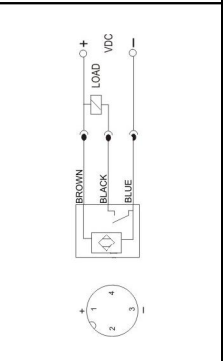
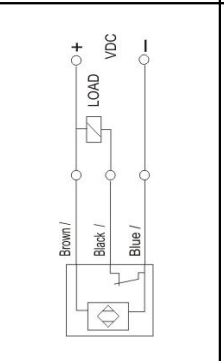
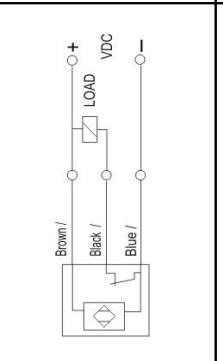
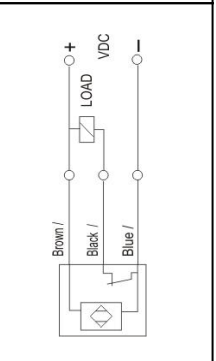
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Inductive DC three-wire NPN sensors

housing					
	M18X1Ni PLATED Brass	M18X1Ni PLATED Brass	M18X1Ni PLATED Brass	M18X1Ni PLATED Brass	M18X1Ni PLATED Brass
code	IPS-308-ON-18-VI	IPS-308-CN-18-S4	IPS-308-CN-18-VI-S4	IPS-308-CN-18-V-S4	IPS-308-ON-18-S4
number of wires	3	3	3	3	3
switching distance	8 mm	8 mm	8 mm	8 mm	8 mm
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
influence protection	IP67	IP66	IP66	IP66	IP66
output	CABLE3X0.25-1.5m	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET
output stage	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR
output function	NO	NC	NC	NC	NO
voltage range	10-60VDC	10-30VDC	10-60VDC	10-60VDC	10-30VDC
max output current	450	250	450	250	250
max output frequency	700 Hz	700 Hz	700 Hz	700 Hz	700 Hz
indicator led	yes	yes	yes	yes	yes
max drop voltage	2 V	2 V	2 V	2 V	2 V
max no-load or leakage current	15 mA	15 mA	15 mA	15 mA	15 mA
pressure rate	3 bar	3 bar	3 bar	3 bar	3 bar
mounting	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)
revers voltage protection	yes	yes	yes	yes	yes
short circuit protection	yes	yes	yes	yes	yes
pick voltage protection	yes	yes	yes	yes	yes
circuit					

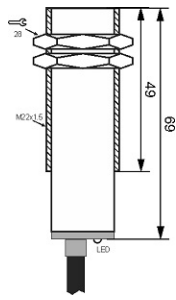
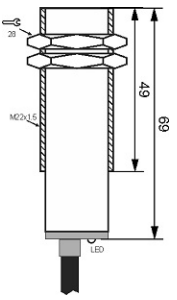
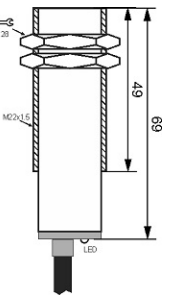
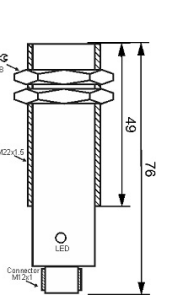
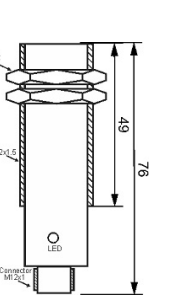
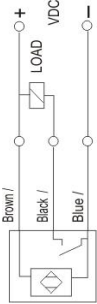
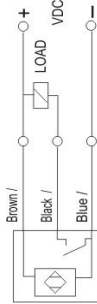
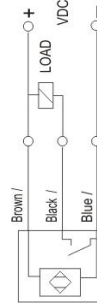
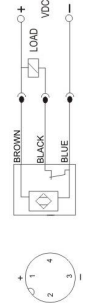
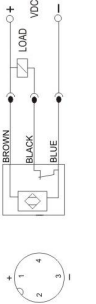
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Inductive DC three-wire NPN sensors

housing					
	M18X1Ni PLATED Brass	M18X1Ni PLATED Brass	M22X1.5Ni PLATED Brass	M22X1.5Ni PLATED Brass	M22X1.5Ni PLATED Brass
code	IPS-308-ON-18-VI-S4	IPS-308-ON-18-V-S4	IPS-308-CN-22	IPS-308-CN-22-V	IPS-308-CN-22-VI
number of wires	3	3	3	3	3
switching distance	8 mm	8 mm	8 mm	8 mm	8 mm
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
influence protection	IP66	IP66	IP67	IP67	IP67
output	4Pin SOCKET	4Pin SOCKET	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m
output stage	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR
output function	NO	NO	NC	NC	NC
voltage range	10-60VDC	10-60VDC	10-30VDC	10-60VDC	10-60VDC
max output current	450	250	250	250	450
max output frequency	700 Hz	700 Hz	500 Hz	500 Hz	500 Hz
indicator led	yes	yes	yes	yes	yes
max drop voltage	2 V	2 V	2 V	2 V	2 V
max no-load or leakage current	15 mA	15 mA	15 mA	15 mA	15 mA
pressure rate	3 bar	3 bar	3 bar	3 bar	3 bar
mounting	non flush (unshielded)	non flush (unshielded)	flush(shielded)	flush(shielded)	flush(shielded)
revers voltage protection	yes	yes	yes	yes	yes
short circuit protection	yes	yes	yes	yes	yes
pick voltage protection	yes	yes	yes	yes	yes
circuit					

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Inductive DC three-wire NPN sensors

housing					
	M22X1.5Ni PLATED Brass	M22X1.5Ni PLATED Brass	M22X1.5Ni PLATED Brass	M22X1.5Ni PLATED Brass	M22X1.5Ni PLATED Brass
code	IPS-308-ON-22	IPS-308-ON-22-V	IPS-308-ON-22-VI	IPS-308-CN-22-S4	IPS-308-CN-22-VI-S4
number of wires	3	3	3	3	3
switching distance	8 mm	8 mm	8 mm	8 mm	8 mm
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
influence protection	IP67	IP67	IP67	IP66	IP66
output	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m	4Pin SOCKET	4Pin SOCKET
output stage	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR
output function	NO	NO	NO	NC	NC
voltage range	10-30VDC	10-60VDC	10-60VDC	10-30VDC	10-60VDC
max output current	250	250	450	250	450
max output frequency	500 Hz	500 Hz	500 Hz	500 Hz	500 Hz
indicator led	yes	yes	yes	yes	yes
max drop voltage	2 V	2 V	2 V	2 V	2 V
max no-load or leakage current	15 mA	15 mA	15 mA	15 mA	15 mA
pressure rate	3 bar	3 bar	3 bar	3 bar	3 bar
mounting	flush(shielded)	flush(shielded)	flush(shielded)	flush(shielded)	flush(shielded)
revers voltage protection	yes	yes	yes	yes	yes
short circuit protection	yes	yes	yes	yes	yes
pick voltage protection	yes	yes	yes	yes	yes
circuit					

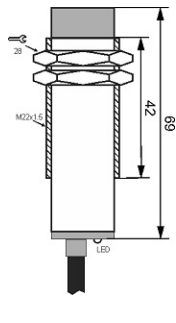
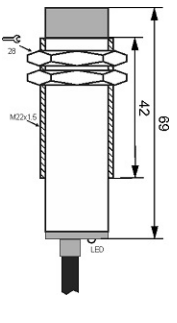
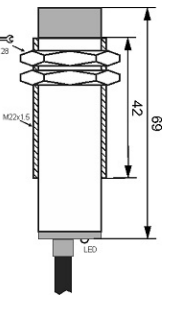
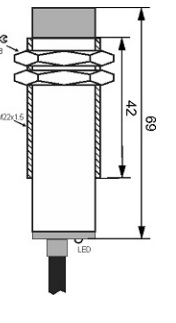
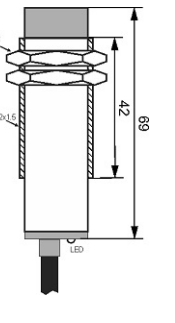
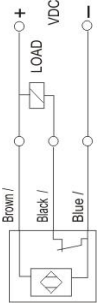
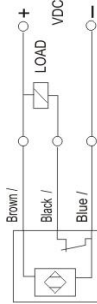
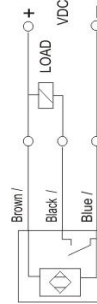
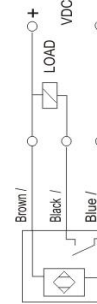
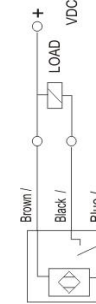
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Inductive DC three-wire NPN sensors

housing					
	M22X1.5Ni PLATED Brass	M22X1.5Ni PLATED Brass	M22X1.5Ni PLATED Brass	M22X1.5Ni PLATED Brass	M22X1.5Ni PLATED Brass
code	IPS-308-CN-22-V-S4	IPS-308-ON-22-S4	IPS-308-ON-22-VI-S4	IPS-308-ON-22-V-S4	IPS-310-CN-22
number of wires	3	3	3	3	3
switching distance	8 mm	8 mm	8 mm	8 mm	10 mm
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
influence protection	IP66	IP66	IP66	IP66	IP67
output	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET	CABLE3X0.25-1.5m
output stage	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR
output function	NC	NO	NO	NO	NC
voltage range	10-60VDC	10-30VDC	10-60VDC	10-60VDC	10-30VDC
max output current	250	250	450	250	250
max output frequency	500 Hz	500 Hz	500 Hz	500 Hz	500 Hz
indicator led	yes	yes	yes	yes	yes
max drop voltage	2 V	2 V	2 V	2 V	2 V
max no-load or leakage current	15 mA	15 mA	15 mA	15 mA	15 mA
pressure rate	3 bar	3 bar	3 bar	3 bar	3 bar
mounting	flush(shielded)	flush(shielded)	flush(shielded)	flush(shielded)	non flush (unshielded)
revers voltage protection	yes	yes	yes	yes	yes
short circuit protection	yes	yes	yes	yes	yes
pick voltage protection	yes	yes	yes	yes	yes
circuit					

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Inductive DC three-wire NPN sensors

housing					
	M22X1.5Ni PLATED Brass	M22X1.5Ni PLATED Brass	M22X1.5Ni PLATED Brass	M22X1.5Ni PLATED Brass	M22X1.5Ni PLATED Brass
code	IPS-310-CN-22-V	IPS-310-CN-22-VI	IPS-310-ON-22	IPS-310-ON-22-V	IPS-310-ON-22-VI
number of wires	3	3	3	3	3
switching distance	10 mm	10 mm	10 mm	10 mm	10 mm
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
influence protection	IP67	IP67	IP67	IP67	IP67
output	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m
output stage	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR
output function	NC	NC	NO	NO	NO
voltage range	10-60VDC	10-60VDC	10-30VDC	10-60VDC	10-60VDC
max output current	250	450	250	250	450
max output frequency	500 Hz	500 Hz	500 Hz	500 Hz	500 Hz
indicator led	yes	yes	yes	yes	yes
max drop voltage	2 V	2 V	2 V	2 V	2 V
max no-load or leakage current	15 mA	15 mA	15 mA	15 mA	15 mA
pressure rate	3 bar	3 bar	3 bar	3 bar	3 bar
mounting	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)
revers voltage protection	yes	yes	yes	yes	yes
short circuit protection	yes	yes	yes	yes	yes
pick voltage protection	yes	yes	yes	yes	yes
circuit					

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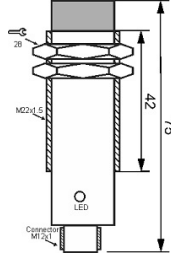
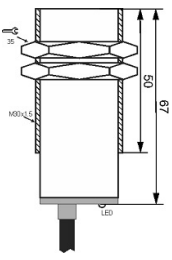
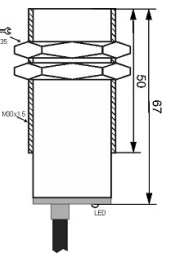
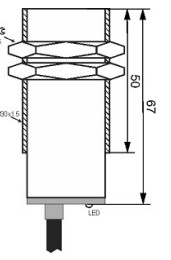
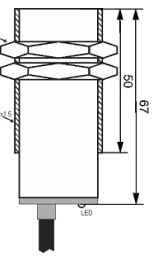
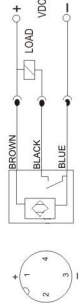
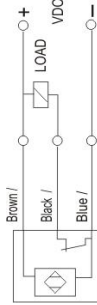
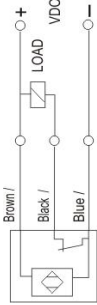
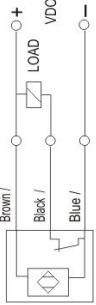
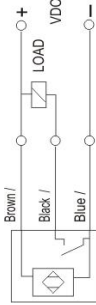
Inductive DC three-wire NPN sensors

housing					
	M22X1.5Ni PLATED Brass	M22X1.5Ni PLATED Brass	M22X1.5Ni PLATED Brass	M22X1.5Ni PLATED Brass	M22X1.5Ni PLATED Brass
code	IPS-310-CN-22-S4	IPS-310-CN-22-VI-S4	IPS-310-CN-22-V-S4	IPS-310-ON-22-S4	IPS-310-ON-22-VI-S4
number of wires	3	3	3	3	3
switching distance	10 mm	10 mm	10 mm	10 mm	10 mm
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
influence protection	IP66	IP66	IP66	IP66	IP66
output	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET
output stage	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR
output function	NC	NC	NC	NO	NO
voltage range	10-30VDC	10-60VDC	10-60VDC	10-30VDC	10-60VDC
max output current	250	450	250	250	450
max output frequency	500 Hz	500 Hz	500 Hz	500 Hz	500 Hz
indicator led	yes	yes	yes	yes	yes
max drop voltage	2 V	2 V	2 V	2 V	2 V
max no-load or leakage current	15 mA	15 mA	15 mA	15 mA	15 mA
pressure rate	3 bar	3 bar	3 bar	3 bar	3 bar
mounting	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)
revers voltage protection	yes	yes	yes	yes	yes
short circuit protection	yes	yes	yes	yes	yes
pick voltage protection	yes	yes	yes	yes	yes
circuit					

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Inductive DC three-wire NPN sensors

housing					
	M22X1.5Ni PLATED Brass	M30X1.5Ni PLATED Brass	M30X1.5Ni PLATED Brass	M30X1.5Ni PLATED Brass	M30X1.5Ni PLATED Brass
code	IPS-310-ON-22-V-S4	IPS-310-CN-30	IPS-310-CN-30-V	IPS-310-CN-30-VI	IPS-310-ON-30
number of wires	3	3	3	3	3
switching distance	10 mm	10 mm	10 mm	10 mm	10 mm
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
influence protection	IP66	IP67	IP67	IP67	IP67
output	4Pin SOCKET	CABLE3X0.35-1.5m	CABLE3X0.35-1.5m	CABLE3X0.35-1.5m	CABLE3X0.35-1.5m
output stage	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR
output function	NO	NC	NC	NC	NO
voltage range	10-60VDC	10-30VDC	10-60VDC	10-60VDC	10-30VDC
max output current	250	250	250	450	250
max output frequency	500 Hz	300 Hz	300 Hz	300 Hz	300 Hz
indicator led	yes	yes	yes	yes	yes
max drop voltage	2 V	2 V	2 V	2 V	2 V
max no-load or leakage current	15 mA	15 mA	15 mA	15 mA	15 mA
pressure rate	3 bar	3 bar	3 bar	3 bar	3 bar
mounting	non flush (unshielded)	flush(shielded)	flush(shielded)	flush(shielded)	non flush (unshielded)
revers voltage protection	yes	yes	yes	yes	yes
short circuit protection	yes	yes	yes	yes	yes
pick voltage protection	yes	yes	yes	yes	yes
circuit					

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Inductive DC three-wire NPN sensors

housing					
	M30X1.5Ni PLATED Brass	M30X1.5Ni PLATED Brass	M30X1.5Ni PLATED Brass	M30X1.5Ni PLATED Brass	M30X1.5Ni PLATED Brass
code	IPS-310-ON-30-V	IPS-310-ON-30-VI	IPS-310-CN-30-S4	IPS-310-CN-30-VI-S4	IPS-310-CN-30-V-S4
number of wires	3	3	3	3	3
switching distance	10 mm	10 mm	10 mm	10 mm	10 mm
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
influence protection	IP67	IP67	IP66	IP66	IP66
output	CABLE3X0.35-1.5m	CABLE3X0.35-1.5m	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET
output stage	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR
output function	NO	NO	NC	NC	NC
voltage range	10-60VDC	10-60VDC	10-30VDC	10-60VDC	10-60VDC
max output current	250	450	250	450	250
max output frequency	300 Hz	300 Hz	300 Hz	300 Hz	300 Hz
indicator led	yes	yes	yes	yes	yes
max drop voltage	2 V	2 V	2 V	2 V	2 V
max noload or leakage current	15 mA	15 mA	15 mA	15 mA	15 mA
pressure rate	3 bar	3 bar	3 bar	3 bar	3 bar
mounting	flush(shielded)	flush(shielded)	flush(shielded)	flush(shielded)	flush(shielded)
revers voltage protection	yes	yes	yes	yes	yes
short circuit protection	yes	yes	yes	yes	yes
pick voltage protection	yes	yes	yes	yes	yes
circuit					

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Inductive DC three-wire NPN sensors

housing					
	M30X1.5Ni PLATED Brass	M30X1.5Ni PLATED Brass	M30X1.5Ni PLATED Brass	M30X1.5Ni PLATED Brass	M30X1.5Ni PLATED Brass
code	IPS-310-ON-30-S4	IPS-310-ON-30-VI-S4	IPS-310-ON-30-V-S4	IPS-315-CN-30	IPS-315-CN-30-V
number of wires	3	3	3	3	3
switching distance	10 mm	10 mm	10 mm	15 mm	15 mm
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
influence protection	IP66	IP66	IP66	IP67	IP67
output	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET	CABLE3X0.35-1.5m	CABLE3X0.35-1.5m
output stage	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR
output function	NO	NO	NO	NC	NC
voltage range	10-30VDC	10-60VDC	10-60VDC	10-30VDC	10-60VDC
max output current	250	450	250	250	250
max output frequency	300 Hz	300 Hz	300 Hz	300 Hz	300 Hz
indicator led	yes	yes	yes	yes	yes
max drop voltage	2 V	2 V	2 V	2 V	2 V
max no-load or leakage current	15 mA	15 mA	15 mA	15 mA	15 mA
pressure rate	3 bar	3 bar	3 bar	3 bar	3 bar
mounting	flush(shielded)	flush(shielded)	flush(shielded)	non flush (unshielded)	non flush (unshielded)
revers voltage protection	yes	yes	yes	yes	yes
short circuit protection	yes	yes	yes	yes	yes
pick voltage protection	yes	yes	yes	yes	yes
circuit					

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Inductive DC three-wire NPN sensors

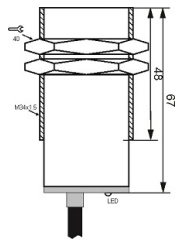
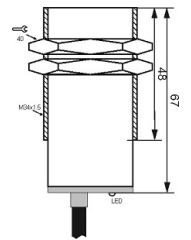
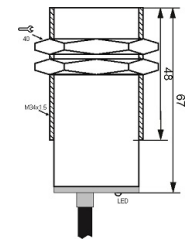
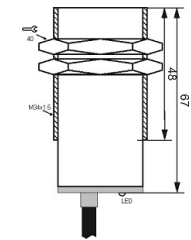
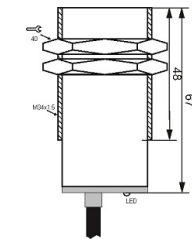
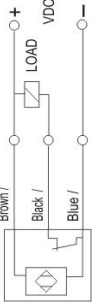
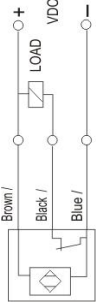
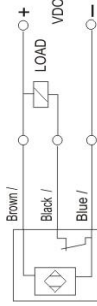
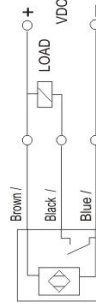
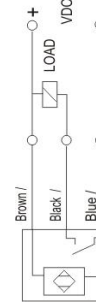
housing					
	M30X1.5Ni PLATED Brass	M30X1.5Ni PLATED Brass	M30X1.5Ni PLATED Brass	M30X1.5Ni PLATED Brass	M30X1.5Ni PLATED Brass
code	IPS-315-CN-30-VI	IPS-315-ON-30	IPS-315-ON-30-V	IPS-315-ON-30-VI	IPS-315-CN-30-S4
number of wires	3	3	3	3	3
switching distance	15 mm	15 mm	15 mm	15 mm	15 mm
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
influence protection	IP67	IP67	IP67	IP67	IP66
output	CABLE3X0.35-1.5m	CABLE3X0.35-1.5m	CABLE3X0.35-1.5m	CABLE3X0.35-1.5m	4Pin SOCKET
output stage	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR
output function	NC	NO	NO	NO	NC
voltage range	10-60VDC	10-30VDC	10-60VDC	10-60VDC	10-30VDC
max output current	450	250	250	450	250
max output frequency	300 Hz	300 Hz	300 Hz	300 Hz	300 Hz
indicator led	yes	yes	yes	yes	yes
max drop voltage	2 V	2 V	2 V	2 V	2 V
max no-load or leakage current	15 mA	15 mA	15 mA	15 mA	15 mA
pressure rate	3 bar	3 bar	3 bar	3 bar	3 bar
mounting	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)
revers voltage protection	yes	yes	yes	yes	yes
short circuit protection	yes	yes	yes	yes	yes
pick voltage protection	yes	yes	yes	yes	yes
circuit					

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Inductive DC three-wire NPN sensors

housing					
	M30X1.5Ni PLATED Brass	M30X1.5Ni PLATED Brass	M30X1.5Ni PLATED Brass	M30X1.5Ni PLATED Brass	M30X1.5Ni PLATED Brass
code	IPS-315-CN-30-VI-S4	IPS-315-CN-30-V-S4	IPS-315-ON-30-S4	IPS-315-ON-30-VI-S4	IPS-315-ON-30-V-S4
number of wires	3	3	3	3	3
switching distance	15 mm	15 mm	15 mm	15 mm	15 mm
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
influence protection	IP66	IP66	IP66	IP66	IP66
output	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET
output stage	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR
output function	NC	NC	NO	NO	NO
voltage range	10-60VDC	10-60VDC	10-30VDC	10-60VDC	10-60VDC
max output current	450	250	250	450	250
max output frequency	300 Hz	300 Hz	300 Hz	300 Hz	300 Hz
indicator led	yes	yes	yes	yes	yes
max drop voltage	2 V	2 V	2 V	2 V	2 V
max no-load or leakage current	15 mA	15 mA	15 mA	15 mA	15 mA
pressure rate	3 bar	3 bar	3 bar	3 bar	3 bar
mounting	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)
revers voltage protection	yes	yes	yes	yes	yes
short circuit protection	yes	yes	yes	yes	yes
pick voltage protection	yes	yes	yes	yes	yes
circuit					

Inductive DC three-wire NPN sensors

housing					
	M34X1.5Ni PLATED Brass	M34X1.5Ni PLATED Brass	M34X1.5Ni PLATED Brass	M34X1.5Ni PLATED Brass	M34X1.5Ni PLATED Brass
code	IPS-315-CN-34	IPS-315-CN-34-V	IPS-315-CN-34-VI	IPS-315-ON-34	IPS-315-ON-34-V
number of wires	3	3	3	3	3
switching distance	15 mm	15 mm	15 mm	15 mm	15 mm
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
influence protection	IP67	IP67	IP67	IP67	IP67
output	CABLE3X0.35-1.5m	CABLE3X0.35-1.5m	CABLE3X0.35-1.5m	CABLE3X0.35-1.5m	CABLE3X0.35-1.5m
output stage	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR
output function	NC	NC	NC	NO	NO
voltage range	10-30VDC	10-60VDC	10-60VDC	10-30VDC	10-60VDC
max output current	250	250	450	250	250
max output frequency	300 Hz	300 Hz	300 Hz	300 Hz	300 Hz
indicator led	yes	yes	yes	yes	yes
max drop voltage	2 V	2 V	2 V	2 V	2 V
max no-load or leakage current	15 mA	15 mA	15 mA	15 mA	15 mA
pressure rate	3 bar	3 bar	3 bar	3 bar	3 bar
mounting	flush(shielded)	flush(shielded)	flush(shielded)	flush(shielded)	flush(shielded)
revers voltage protection	yes	yes	yes	yes	yes
short circuit protection	yes	yes	yes	yes	yes
pick voltage protection	yes	yes	yes	yes	yes
circuit					

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Inductive DC three-wire NPN sensors

housing					
	M34X1.5Ni PLATED Brass	M34X1.5Ni PLATED Brass	M34X1.5Ni PLATED Brass	M34X1.5Ni PLATED Brass	M34X1.5Ni PLATED Brass
code	IPS-315-ON-34-VI	IPS-315-CN-34-S4	IPS-315-CN-34-VI-S4	IPS-315-CN-34-V-S4	IPS-315-ON-34-S4
number of wires	3	3	3	3	3
switching distance	15 mm	15 mm	15 mm	15 mm	15 mm
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
influence protection	IP67	IP66	IP66	IP66	IP66
output	CABLE3X0.35-1.5m	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET
output stage	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR
output function	NO	NC	NC	NC	NO
voltage range	10-60VDC	10-30VDC	10-60VDC	10-60VDC	10-30VDC
max output current	450	250	450	250	250
max output frequency	300 Hz	300 Hz	300 Hz	300 Hz	300 Hz
indicator led	yes	yes	yes	yes	yes
max drop voltage	2 V	2 V	2 V	2 V	2 V
max no-load or leakage current	15 mA	15 mA	15 mA	15 mA	15 mA
pressure rate	3 bar	3 bar	3 bar	3 bar	3 bar
mounting	flush(shielded)	flush(shielded)	flush(shielded)	flush(shielded)	flush(shielded)
revers voltage protection	yes	yes	yes	yes	yes
short circuit protection	yes	yes	yes	yes	yes
pick voltage protection	yes	yes	yes	yes	yes
circuit					

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Inductive DC three-wire NPN sensors

housing					
	M34X1.5Ni PLATED Brass	M34X1.5Ni PLATED Brass	M34X1.5Ni PLATED Brass	M34X1.5Ni PLATED Brass	M34X1.5Ni PLATED Brass
code	IPS-315-ON-34-VI-S4	IPS-315-ON-34-V-S4	IPS-320-CN-34	IPS-320-CN-34-V	IPS-320-CN-34-VI
number of wires	3	3	3	3	3
switching distance	15 mm	15 mm	20 mm	20 mm	20 mm
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
influence protection	IP66	IP66	IP67	IP67	IP67
output	4Pin SOCKET	4Pin SOCKET	CABLE3X0.35-1.5m	CABLE3X0.35-1.5m	CABLE3X0.35-1.5m
output stage	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR
output function	NO	NO	NC	NC	NC
voltage range	10-60VDC	10-60VDC	10-30VDC	10-60VDC	10-60VDC
max output current	450	250	250	250	450
max output frequency	300 Hz	300 Hz	300 Hz	300 Hz	300 Hz
indicator led	yes	yes	yes	yes	yes
max drop voltage	2 V	2 V	2 V	2 V	2 V
max noload or leakage current	15 mA	15 mA	15 mA	15 mA	15 mA
pressure rate	3 bar	3 bar	3 bar	3 bar	3 bar
mounting	flush(shielded)	flush(shielded)	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)
revers voltage protection	yes	yes	yes	yes	yes
short circuit protection	yes	yes	yes	yes	yes
pick voltage protection	yes	yes	yes	yes	yes
circuit					

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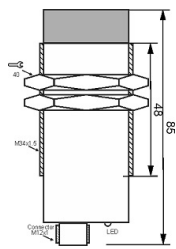
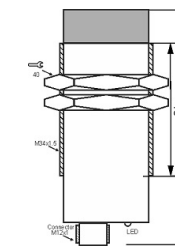
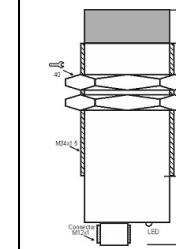
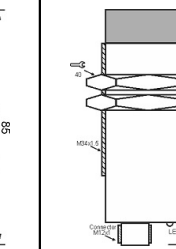
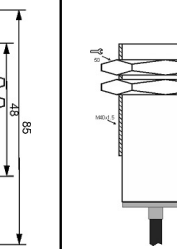
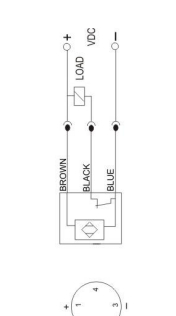
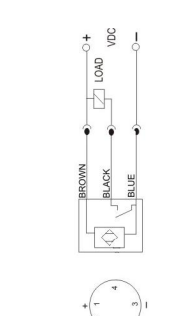
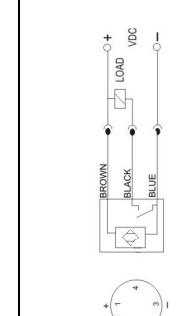
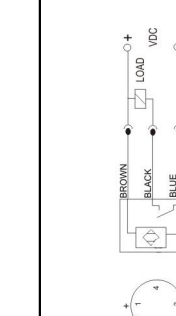
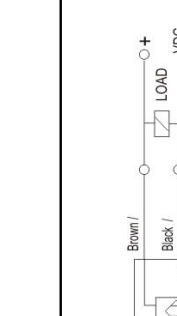


Inductive DC three-wire NPN sensors

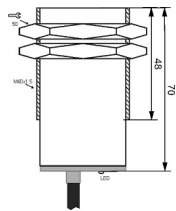
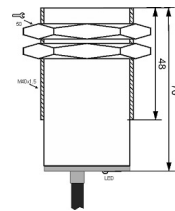
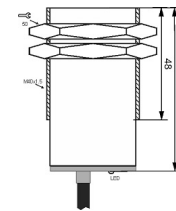
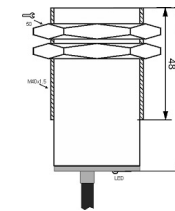
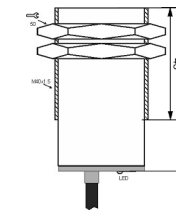
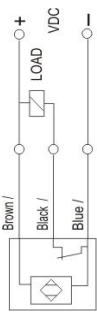
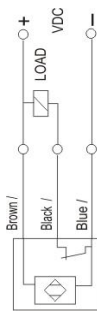
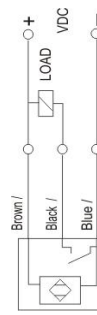
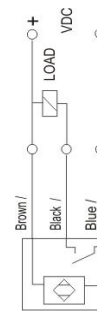
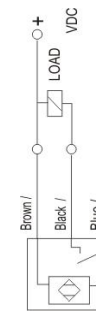
housing					
	M34X1.5Ni PLATED Brass	M34X1.5Ni PLATED Brass	M34X1.5Ni PLATED Brass	M34X1.5Ni PLATED Brass	M34X1.5Ni PLATED Brass
code	IPS-320-ON-34	IPS-320-ON-34-V	IPS-320-ON-34-VI	IPS-320-CN-34-S4	IPS-320-CN-34-VI-S4
number of wires	3	3	3	3	3
switching distance	20 mm	20 mm	20 mm	20 mm	20 mm
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
influence protection	IP67	IP67	IP67	IP66	IP66
output	CABLE3X0.35-1.5m	CABLE3X0.35-1.5m	CABLE3X0.35-1.5m	4Pin SOCKET	4Pin SOCKET
output stage	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR
output function	NO	NO	NO	NC	NC
voltage range	10-30VDC	10-60VDC	10-60VDC	10-30VDC	10-60VDC
max output current	250	250	450	250	450
max output frequency	300 Hz	300 Hz	300 Hz	300 Hz	300 Hz
indicator led	yes	yes	yes	yes	yes
max drop voltage	2 V	2 V	2 V	2 V	2 V
max noload or leakage current	15 mA	15 mA	15 mA	15 mA	15 mA
pressure rate	3 bar	3 bar	3 bar	3 bar	3 bar
mounting	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)
revers voltage protection	yes	yes	yes	yes	yes
short circuit protection	yes	yes	yes	yes	yes
pick voltage protection	yes	yes	yes	yes	yes
circuit					

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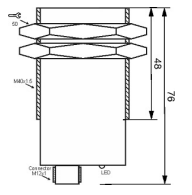
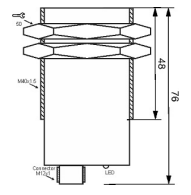
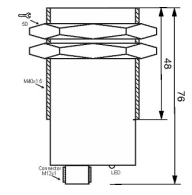
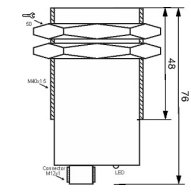
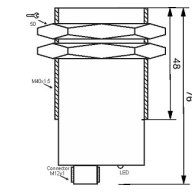
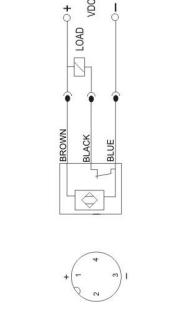
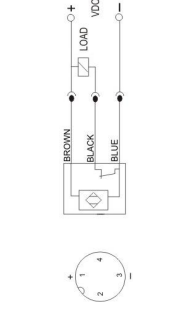
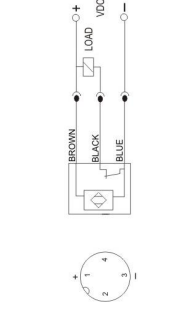
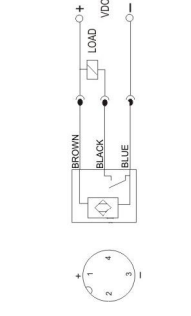
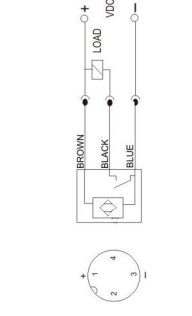
Inductive DC three-wire NPN sensors

housing					
	M34X1.5Ni PLATED Brass	M34X1.5Ni PLATED Brass	M34X1.5Ni PLATED Brass	M34X1.5Ni PLATED Brass	M40X1.5Ni PLATED Brass
code	IPS-320-CN-34-V-S4	IPS-320-ON-34-S4	IPS-320-ON-34-VI-S4	IPS-320-ON-34-V-S4	IPS-320-CN-40
number of wires	3	3	3	3	3
switching distance	20 mm	20 mm	20 mm	20 mm	20 mm
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
influence protection	IP66	IP66	IP66	IP66	IP67
output	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET	CABLE3X0.35-1.5m
output stage	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR
output function	NC	NO	NO	NO	NC
voltage range	10-60VDC	10-30VDC	10-60VDC	10-60VDC	10-30VDC
max output current	250	250	450	250	250
max output frequency	300 Hz	300 Hz	300 Hz	300 Hz	300 Hz
indicator led	yes	yes	yes	yes	yes
max drop voltage	2 V	2 V	2 V	2 V	2 V
max no-load or leakage current	15 mA	15 mA	15 mA	15 mA	15 mA
pressure rate	3 bar	3 bar	3 bar	3 bar	3 bar
mounting	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)	flush(shielded)
reverse voltage protection	yes	yes	yes	yes	yes
short circuit protection	yes	yes	yes	yes	yes
pick voltage protection	yes	yes	yes	yes	yes
circuit					

Inductive DC three-wire NPN sensors

housing					
	M40X1.5Ni PLATED Brass	M40X1.5Ni PLATED Brass	M40X1.5Ni PLATED Brass	M40X1.5Ni PLATED Brass	M40X1.5Ni PLATED Brass
code	IPS-320-CN-40-V	IPS-320-CN-40-VI	IPS-320-ON-40	IPS-320-ON-40-V	IPS-320-ON-40-VI
number of wires	3	3	3	3	3
switching distance	20 mm	20 mm	20 mm	20 mm	20 mm
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
influence protection	IP67	IP67	IP67	IP67	IP67
output	CABLE3X0.35-1.5m	CABLE3X0.35-1.5m	CABLE3X0.35-1.5m	CABLE3X0.35-1.5m	CABLE3X0.35-1.5m
output stage	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR
output function	NC	NC	NO	NO	NO
voltage range	10-60VDC	10-60VDC	10-30VDC	10-60VDC	10-60VDC
max output current	250	450	250	250	450
max output frequency	300 Hz	300 Hz	300 Hz	300 Hz	300 Hz
indicator led	yes	yes	yes	yes	yes
max drop voltage	2 V	2 V	2 V	2 V	2 V
max noload or leakage current	15 mA	15 mA	15 mA	15 mA	15 mA
pressure rate	3 bar	3 bar	3 bar	3 bar	3 bar
mounting	flush(shielded)	flush(shielded)	flush(shielded)	flush(shielded)	flush(shielded)
revers voltage protection	yes	yes	yes	yes	yes
short circuit protection	yes	yes	yes	yes	yes
pick voltage protection	yes	yes	yes	yes	yes
circuit					

Inductive DC three-wire NPN sensors

housing					
	M40X1.5Ni PLATED Brass	M40X1.5Ni PLATED Brass	M40X1.5Ni PLATED Brass	M40X1.5Ni PLATED Brass	M40X1.5Ni PLATED Brass
code	IPS-320-CN-40-S4	IPS-320-CN-40-VI-S4	IPS-320-CN-40-V-S4	IPS-320-ON-40-S4	IPS-320-ON-40-VI-S4
number of wires	3	3	3	3	3
switching distance	20 mm	20 mm	20 mm	20 mm	20 mm
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
influence protection	IP66	IP66	IP66	IP66	IP66
output	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET
output stage	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR
output function	NC	NC	NC	NO	NO
voltage range	10-30VDC	10-60VDC	10-60VDC	10-30VDC	10-60VDC
max output current	250	450	250	250	450
max output frequency	300 Hz	300 Hz	300 Hz	300 Hz	300 Hz
indicator led	yes	yes	yes	yes	yes
max drop voltage	2 V	2 V	2 V	2 V	2 V
max no-load or leakage current	15 mA	15 mA	15 mA	15 mA	15 mA
pressure rate	3 bar	3 bar	3 bar	3 bar	3 bar
mounting	flush(shielded)	flush(shielded)	flush(shielded)	non flush (unshielded)	non flush (unshielded)
revers voltage protection	yes	yes	yes	yes	yes
short circuit protection	yes	yes	yes	yes	yes
pick voltage protection	yes	yes	yes	yes	yes
circuit					

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Inductive DC three-wire NPN sensors

housing					
	M40X1.5Ni PLATED Brass	12mm dia. PA or PP	12mm dia. PA or PP	12mm dia. PA or PP	22mm dia. PA or PP
code	IPS-320-ON-40-V-S4	IPS-304-CN-P12-V-S4	IPS-304-ON-P12-VI-S4	IPS-304-ON-P12-V-S4	IPS-310-CN-P22
number of wires	3	3	3	3	3
switching distance	20 mm	4 mm	4 mm	4 mm	10 mm
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
influence protection	IP66	IP66	IP66	IP66	IP67
output	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET	CABLE3X0.35-1.5m
output stage	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR
output function	NO	NC	NO	NO	NC
voltage range	10-60VDC	10-60VDC	10-60VDC	10-60VDC	10-30VDC
max output current	250	250	450	250	250
max output frequency	300 Hz	1500 Hz	1500 Hz	1500 Hz	500 Hz
indicator led	yes	yes	yes	yes	yes
max drop voltage	2 V	2 V	2 V	2 V	2 V
max no-load or leakage current	15 mA	15 mA	15 mA	15 mA	15 mA
pressure rate	3 bar	3 bar	3 bar	3 bar	3 bar
mounting	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)
revers voltage protection	yes	yes	yes	yes	yes
short circuit protection	yes	yes	yes	yes	yes
pick voltage protection	yes	yes	yes	yes	yes
circuit					

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Inductive DC three-wire NPN sensors

housing					
	22mm dia. PA or PP	22mm dia. PA or PP	22mm dia. PA or PP	22mm dia. PA or PP	22mm dia. PA or PP
code	IPS-310-CN-P22-V	IPS-310-CN-P22-VI	IPS-310-ON-P22	IPS-310-ON-P22-V	IPS-310-ON-P22-VI
number of wires	3	3	3	3	3
switching distance	10 mm	10 mm	10 mm	10 mm	10 mm
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
influence protection	IP67	IP67	IP67	IP67	IP67
output	CABLE3X0.35-1.5m	CABLE3X0.35-1.5m	CABLE3X0.35-1.5m	CABLE3X0.35-1.5m	CABLE3X0.35-1.5m
output stage	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR
output function	NC	NC	NO	NO	NO
voltage range	10-60VDC	10-60VDC	10-30VDC	10-60VDC	10-60VDC
max output current	250	450	250	250	450
max output frequency	500 Hz	500 Hz	500 Hz	500 Hz	500 Hz
indicator led	yes	yes	yes	yes	yes
max drop voltage	2 V	2 V	2 V	2 V	2 V
max no-load or leakage current	15 mA	15 mA	15 mA	15 mA	15 mA
pressure rate	3 bar	3 bar	3 bar	3 bar	3 bar
mounting	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)
revers voltage protection	yes	yes	yes	yes	yes
short circuit protection	yes	yes	yes	yes	yes
pick voltage protection	yes	yes	yes	yes	yes
circuit					

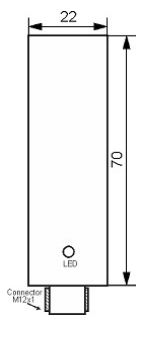
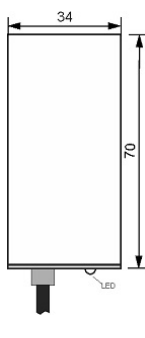
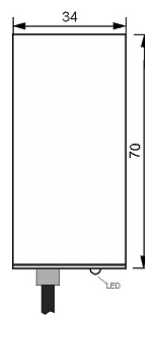
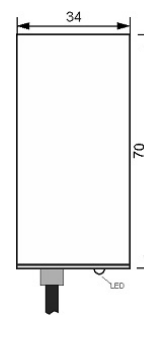
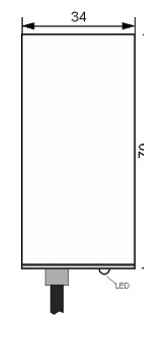
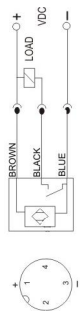
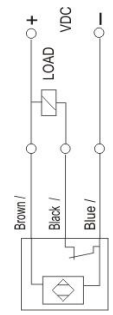
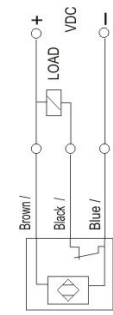
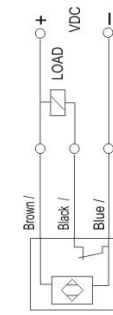
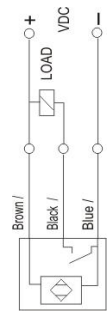
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Inductive DC three-wire NPN sensors

housing					
	22mm dia. PA or PP	22mm dia. PA or PP	22mm dia. PA or PP	22mm dia. PA or PP	22mm dia. PA or PP
code	IPS-310-CN-P22-S4	IPS-310-CN-P22-VI-S4	IPS-310-CN-P22-V-S4	IPS-310-ON-P22-S4	IPS-310-ON-P22-VI-S4
number of wires	3	3	3	3	3
switching distance	10 mm	10 mm	10 mm	10 mm	10 mm
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
influence protection	IP66	IP66	IP66	IP66	IP66
output	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET
output stage	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR
output function	NC	NC	NC	NO	NO
voltage range	10-30VDC	10-60VDC	10-60VDC	10-30VDC	10-60VDC
max output current	250	450	250	250	450
max output frequency	500 Hz	500 Hz	500 Hz	500 Hz	500 Hz
indicator led	yes	yes	yes	yes	yes
max drop voltage	2 V	2 V	2 V	2 V	2 V
max no-load or leakage current	15 mA	15 mA	15 mA	15 mA	15 mA
pressure rate	3 bar	3 bar	3 bar	3 bar	3 bar
mounting	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)
revers voltage protection	yes	yes	yes	yes	yes
short circuit protection	yes	yes	yes	yes	yes
pick voltage protection	yes	yes	yes	yes	yes
circuit					

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Inductive DC three-wire NPN sensors

housing					
	22mm dia. PA or PP	34mm dia. PA or PP	34mm dia. PA or PP	34mm dia. PA or PP	34mm dia. PA or PP
code	IPS-310-ON-P22-V-S4	IPS-320-CN-P34	IPS-320-CN-P34-V	IPS-320-CN-P34-VI	IPS-320-ON-P34
number of wires	3	3	3	3	3
switching distance	10 mm	20 mm	20 mm	20 mm	20 mm
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
influence protection	IP66	IP67	IP67	IP67	IP67
output	4Pin SOCKET	CABLE3X0.35-1.5m	CABLE3X0.35-1.5m	CABLE3X0.35-1.5m	CABLE3X0.35-1.5m
output stage	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR
output function	NO	NC	NC	NC	NO
voltage range	10-60VDC	10-30VDC	10-60VDC	10-60VDC	10-30VDC
max output current	250	250	250	450	250
max output frequency	500 Hz	300 Hz	300 Hz	300 Hz	300 Hz
indicator led	yes	yes	yes	yes	yes
max drop voltage	2 V	2 V	2 V	2 V	2 V
max no-load or leakage current	15 mA	15 mA	15 mA	15 mA	15 mA
pressure rate	3 bar	3 bar	3 bar	3 bar	3 bar
mounting	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)
revers voltage protection	yes	yes	yes	yes	yes
short circuit protection	yes	yes	yes	yes	yes
pick voltage protection	yes	yes	yes	yes	yes
circuit					

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Inductive DC three-wire NPN sensors

housing					
	34mm dia. PA or PP	34mm dia. PA or PP	34mm dia. PA or PP	34mm dia. PA or PP	34mm dia. PA or PP
code	IPS-320-ON-P34-V	IPS-320-ON-P34-VI	IPS-320-CN-P34-S4	IPS-320-CN-P34-VI-S4	IPS-320-CN-P34-V-S4
number of wires	3	3	3	3	3
switching distance	20 mm	20 mm	20 mm	20 mm	20 mm
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
influence protection	IP67	IP67	IP66	IP66	IP66
output	CABLE3X0.35-1.5m	CABLE3X0.35-1.5m	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET
output stage	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR
output function	NO	NO	NC	NC	NC
voltage range	10-60VDC	10-60VDC	10-30VDC	10-60VDC	10-60VDC
max output current	250	450	250	450	250
max output frequency	300 Hz	300 Hz	300 Hz	300 Hz	300 Hz
indicator led	yes	yes	yes	yes	yes
max drop voltage	2 V	2 V	2 V	2 V	2 V
max no-load or leakage current	15 mA	15 mA	15 mA	15 mA	15 mA
pressure rate	3 bar	3 bar	3 bar	3 bar	3 bar
mounting	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)
revers voltage protection	yes	yes	yes	yes	yes
short circuit protection	yes	yes	yes	yes	yes
pick voltage protection	yes	yes	yes	yes	yes
circuit					

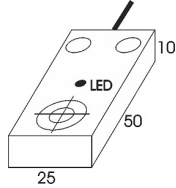
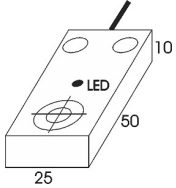
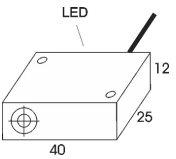
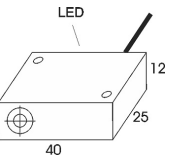
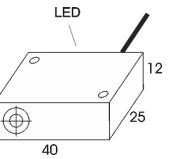
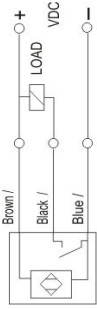
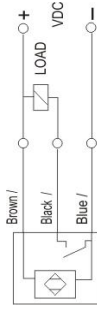
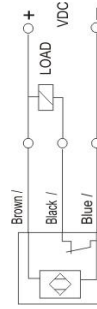
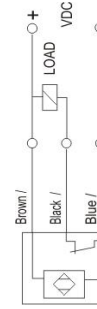
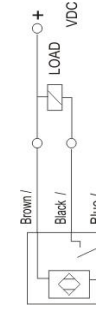
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Inductive DC three-wire NPN sensors

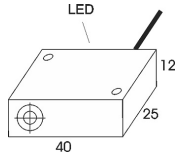
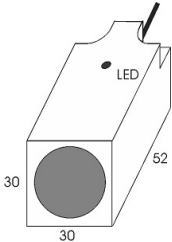
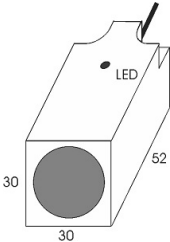
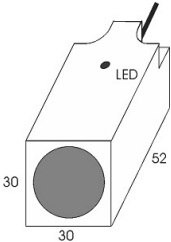
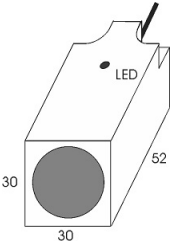
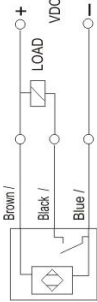
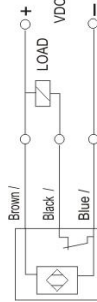
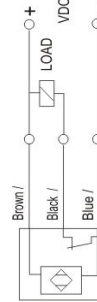
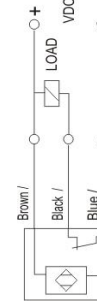
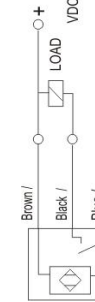
housing					
	34mm dia. PA or PP	34mm dia. PA or PP	34mm dia. PA or PP	REC. 10X50X25 PA or PP	REC. 10X50X25 PA or PP
code	IPS-320-ON-P34-S4	IPS-320-ON-P34-VI-S4	IPS-320-ON-P34-V-S4	IPS-305-CN-R10	IPS-305-CN-R10-V
number of wires	3	3	3	3	3
switching distance	20 mm	20 mm	20 mm	5 mm	5 mm
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
influence protection	IP66	IP66	IP66	IP67	IP67
output	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m
output stage	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR
output function	NO	NO	NO	NC	NC
voltage range	10-30VDC	10-60VDC	10-60VDC	10-30VDC	10-60VDC
max output current	250	450	250	250	250
max output frequency	300 Hz	300 Hz	300 Hz	1000 Hz	1000 Hz
indicator led	yes	yes	yes	yes	yes
max drop voltage	2 V	2 V	2 V	2 V	2 V
max no-load or leakage current	15 mA	15 mA	15 mA	15 mA	15 mA
pressure rate	3 bar	3 bar	3 bar	3 bar	3 bar
mounting	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)
revers voltage protection	yes	yes	yes	yes	yes
short circuit protection	yes	yes	yes	yes	yes
pick voltage protection	yes	yes	yes	yes	yes
circuit					

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Inductive DC three-wire NPN sensors

housing					
	REC. 10X50X25 PA or PP	REC. 10X50X25 PA or PP	REC. 12X40X25 PA or PP	REC. 12X40X25 PA or PP	REC. 12X40X25 PA or PP
code	IPS-305-ON-R10	IPS-305-ON-R10-V	IPS-304-CN-R12	IPS-304-CN-R12-V	IPS-304-ON-R12
number of wires	3	3	3	3	3
switching distance	5 mm	5 mm	4 mm	4 mm	4 mm
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
influence protection	IP67	IP67	IP67	IP67	IP67
output	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m
output stage	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR
output function	NO	NO	NC	NC	NO
voltage range	10-30VDC	10-60VDC	10-30VDC	10-60VDC	10-30VDC
max output current	250	250	250	250	250
max output frequency	1000 Hz	1000 Hz	1500 Hz	1500 Hz	1500 Hz
indicator led	yes	yes	yes	yes	yes
max drop voltage	2 V	2 V	2 V	2 V	2 V
max no-load or leakage current	15 mA	15 mA	15 mA	15 mA	15 mA
pressure rate	3 bar	3 bar	3 bar	3 bar	3 bar
mounting	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)
revers voltage protection	yes	yes	yes	yes	yes
short circuit protection	yes	yes	yes	yes	yes
pick voltage protection	yes	yes	yes	yes	yes
circuit					

Inductive DC three-wire NPN sensors

housing					
	REC. 12X40X25 PA or PP	REC. 30X30X52 PA or PP	REC. 30X30X52 PA or PP	REC. 30X30X52 PA or PP	REC. 30X30X52 PA or PP
code	IPS-304-ON-R12-V	IPS-310-CN-R30	IPS-310-CN-R30-V	IPS-310-CN-R30-VI	IPS-310-ON-R30
number of wires	3	3	3	3	3
switching distance	4 mm	10 mm	10 mm	10 mm	10 mm
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
influence protection	IP67	IP67	IP67	IP67	IP67
output	CABLE3X0.25-1.5m	CABLE3X0.35-1.5m	CABLE3X0.35-1.5m	CABLE3X0.35-1.5m	CABLE3X0.35-1.5m
output stage	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR
output function	NO	NC	NC	NC	NO
voltage range	10-60VDC	10-30VDC	10-60VDC	10-60VDC	10-30VDC
max output current	250	250	250	450	250
max output frequency	1500 Hz	500 Hz	500 Hz	500 Hz	500 Hz
indicator led	yes	yes	yes	yes	yes
max drop voltage	2 V	2 V	2 V	2 V	2 V
max no-load or leakage current	15 mA	15 mA	15 mA	15 mA	15 mA
pressure rate	3 bar	3 bar	3 bar	3 bar	3 bar
mounting	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)
revers voltage protection	yes	yes	yes	yes	yes
short circuit protection	yes	yes	yes	yes	yes
pick voltage protection	yes	yes	yes	yes	yes
circuit					

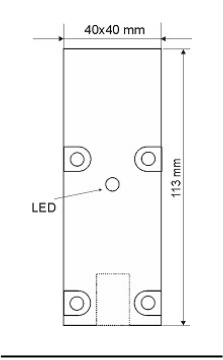
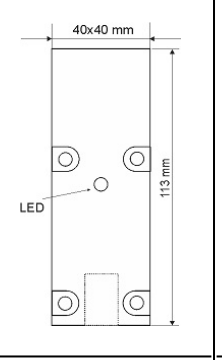
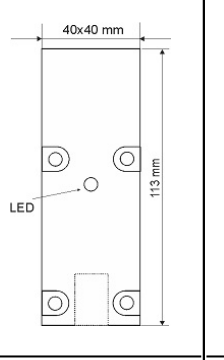
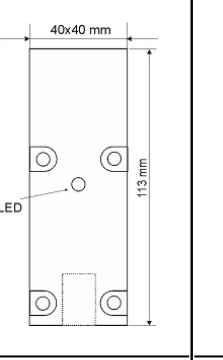
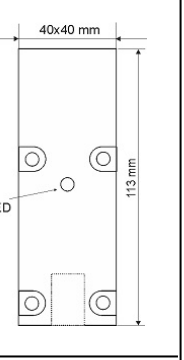
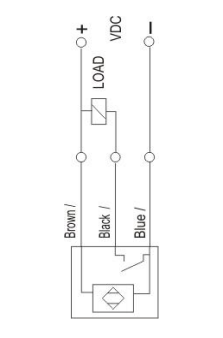
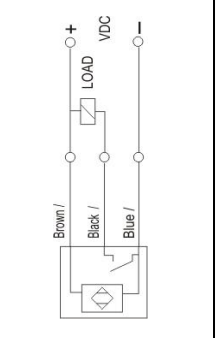
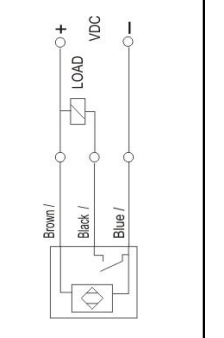
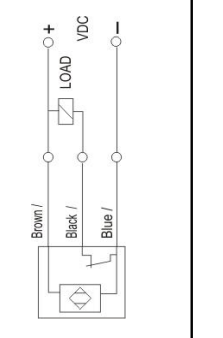
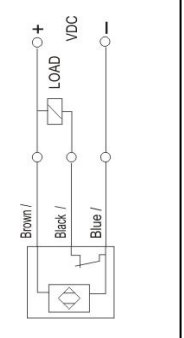
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Inductive DC three-wire NPN sensors

housing					
	REC. 30X30X52 PA or PP	REC. 30X30X52 PA or PP	REC. 40X40X113 PA or PP	REC. 40X40X113 PA or PP	REC. 40X40X113 PA or PP
code	IPS-310-ON-R30-V	IPS-310-ON-R30-VI	IPS-320-CN-R40	IPS-320-CN-R40-V	IPS-320-CN-R40-VI
number of wires	3	3	3	3	3
switching distance	10 mm	10 mm	20 mm	20 mm	20 mm
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
influence protection	IP67	IP67	IP67	IP67	IP67
output	CABLE3X0.35-1.5m	CABLE3X0.35-1.5m	CABLE3X0.35-1.5m	CABLE3X0.35-1.5m	CABLE3X0.35-1.5m
output stage	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR
output function	NO	NO	NC	NC	NC
voltage range	10-60VDC	10-60VDC	10-30VDC	10-60VDC	10-60VDC
max output current	250	450	250	250	450
max output frequency	500 Hz	500 Hz	300 Hz	300 Hz	300 Hz
indicator led	yes	yes	yes	yes	yes
max drop voltage	2 V	2 V	2 V	2 V	2 V
max no-load or leakage current	15 mA	15 mA	15 mA	15 mA	15 mA
pressure rate	3 bar	3 bar	3 bar	3 bar	3 bar
mounting	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)
revers voltage protection	yes	yes	yes	yes	yes
short circuit protection	yes	yes	yes	yes	yes
pick voltage protection	yes	yes	yes	yes	yes
circuit					

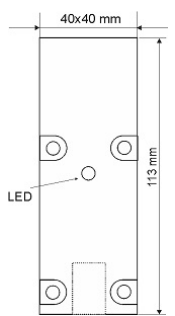
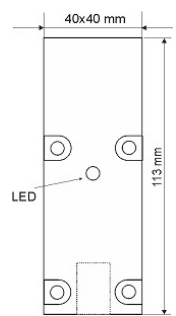
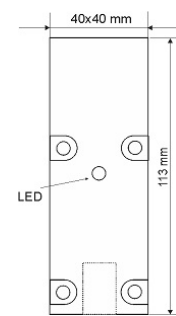
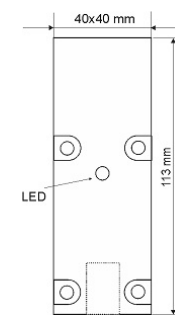
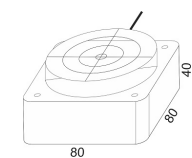
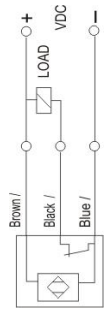
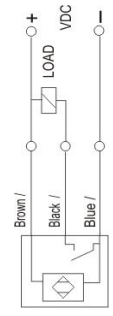
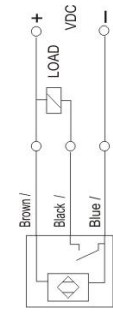
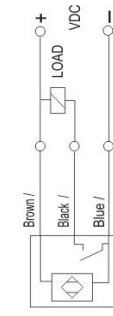
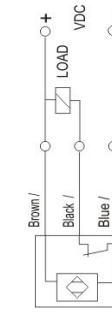
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Inductive DC three-wire NPN sensors

housing					
	REC. 40X40X113 PA or PP	REC. 40X40X113 PA or PP	REC. 40X40X113 PA or PP	REC. 40X40X113 PA or PP	REC. 40X40X113 PA or PP
code	IPS-320-ON-R40	IPS-320-ON-R40-V	IPS-320-ON-R40-VI	IPS-320-CN-R40-T	IPS-320-CN-R40-VI-T
number of wires	3	3	3	3	3
switching distance	20 mm	20 mm	20 mm	20 mm	20 mm
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
influence protection	IP67	IP67	IP67	IP66	IP66
output	CABLE3X0.35-1.5m	CABLE3X0.35-1.5m	CABLE3X0.35-1.5m	TERMINAL	TERMINAL
output stage	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR
output function	NO	NO	NO	NC	NC
voltage range	10-30VDC	10-60VDC	10-60VDC	10-30VDC	10-60VDC
max output current	250	250	450	250	450
max output frequency	300 Hz	300 Hz	300 Hz	300 Hz	300 Hz
indicator led	yes	yes	yes	yes	yes
max drop voltage	2 V	2 V	2 V	2 V	2 V
max no-load or leakage current	15 mA	15 mA	15 mA	15 mA	15 mA
pressure rate	3 bar	3 bar	3 bar	3 bar	3 bar
mounting	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)
revers voltage protection	yes	yes	yes	yes	yes
short circuit protection	yes	yes	yes	yes	yes
pick voltage protection	yes	yes	yes	yes	yes
circuit					

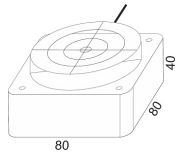
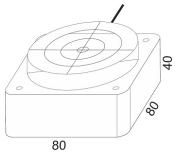
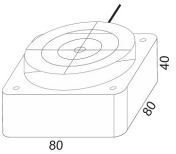
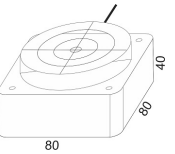
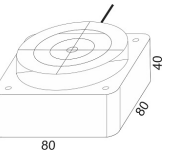
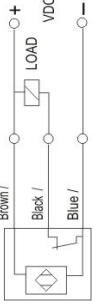
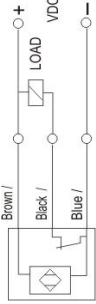
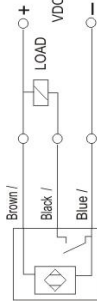
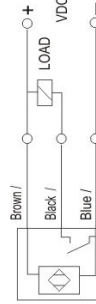
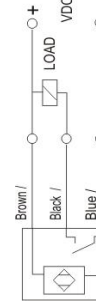
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Inductive DC three-wire NPN sensors

housing					
	REC. 40X40X113 PA or PP	REC. 40X40X113 PA or PP	REC. 40X40X113 PA or PP	REC. 40X40X113 PA or PP	REC. 80X80X40 PA or PP
code	IPS-320-CN-R40-V-T	IPS-320-ON-R40-T	IPS-320-ON-R40-VI-T	IPS-320-ON-R40-V-T	IPS-335-CN-R80
number of wires	3	3	3	3	3
switching distance	20 mm	20 mm	20 mm	20 mm	35 mm
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
influence protection	IP66	IP66	IP66	IP66	IP67
output	TERMINAL	TERMINAL	TERMINAL	TERMINAL	CABLE3X0.35-1.5m
output stage	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR
output function	NC	NO	NO	NO	NC
voltage range	10-60VDC	10-30VDC	10-60VDC	10-60VDC	10-30VDC
max output current	250	250	450	250	250
max output frequency	300 Hz	300 Hz	300 Hz	300 Hz	100 Hz
indicator led	yes	yes	yes	yes	yes
max drop voltage	2 V	2 V	2 V	2 V	2 V
max no-load or leakage current	15 mA	15 mA	15 mA	15 mA	15 mA
pressure rate	3 bar	3 bar	3 bar	3 bar	3 bar
mounting	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)
revers voltage protection	yes	yes	yes	yes	yes
short circuit protection	yes	yes	yes	yes	yes
pick voltage protection	yes	yes	yes	yes	yes
circuit					

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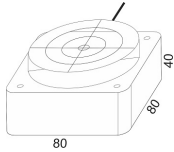
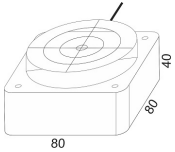
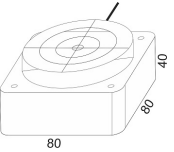
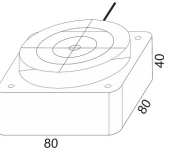
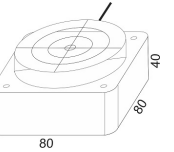
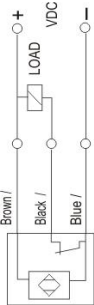
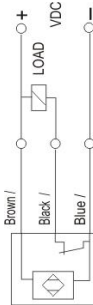
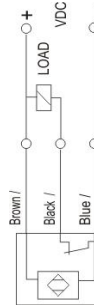
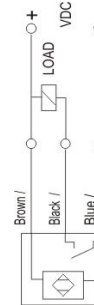
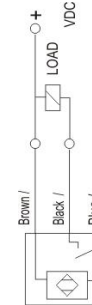
Inductive DC three-wire NPN sensors

housing					
	REC. 80X80X40 PA or PP	REC. 80X80X40 PA or PP	REC. 80X80X40 PA or PP	REC. 80X80X40 PA or PP	REC. 80X80X40 PA or PP
code	IPS-335-CN-R80-V	IPS-335-CN-R80-VI	IPS-335-ON-R80	IPS-335-ON-R80-V	IPS-335-ON-R80-VI
number of wires	3	3	3	3	3
switching distance	35 mm	35 mm	35 mm	35 mm	35 mm
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
influence protection	IP67	IP67	IP67	IP67	IP67
output	CABLE3X0.35-1.5m	CABLE3X0.35-1.5m	CABLE3X0.35-1.5m	CABLE3X0.35-1.5m	CABLE3X0.35-1.5m
output stage	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR
output function	NC	NC	NO	NO	NO
voltage range	10-60VDC	10-60VDC	10-30VDC	10-60VDC	10-60VDC
max output current	250	450	250	250	450
max output frequency	100 Hz	100 Hz	100 Hz	100 Hz	100 Hz
indicator led	yes	yes	yes	yes	yes
max drop voltage	2 V	2 V	2 V	2 V	2 V
max no-load or leakage current	15 mA	15 mA	15 mA	15 mA	15 mA
pressure rate	3 bar	3 bar	3 bar	3 bar	3 bar
mounting	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)
revers voltage protection	yes	yes	yes	yes	yes
short circuit protection	yes	yes	yes	yes	yes
pick voltage protection	yes	yes	yes	yes	yes
circuit					

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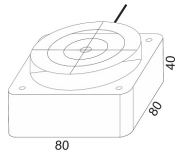


Inductive DC three-wire NPN sensors

housing					
	REC. 80X80X40 PA or PP	REC. 80X80X40 PA or PP	REC. 80X80X40 PA or PP	REC. 80X80X40 PA or PP	REC. 80X80X40 PA or PP
code	IPS-345-CN-R80	IPS-345-CN-R80-V	IPS-345-CN-R80-VI	IPS-345-ON-R80	IPS-345-ON-R80-V
number of wires	3	3	3	3	3
switching distance	45 mm	45 mm	45 mm	45 mm	45 mm
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
influence protection	IP67	IP67	IP67	IP67	IP67
output	CABLE3X0.35-1.5m	CABLE3X0.35-1.5m	CABLE3X0.35-1.5m	CABLE3X0.35-1.5m	CABLE3X0.35-1.5m
output stage	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR
output function	NC	NC	NC	NO	NO
voltage range	10-30VDC	10-60VDC	10-60VDC	10-30VDC	10-60VDC
max output current	250	250	450	250	250
max output frequency	100 Hz	100 Hz	100 Hz	100 Hz	100 Hz
indicator led	yes	yes	yes	yes	yes
max drop voltage	2 V	2 V	2 V	2 V	2 V
max no-load or leakage current	15 mA	15 mA	15 mA	15 mA	15 mA
pressure rate	3 bar	3 bar	3 bar	3 bar	3 bar
mounting	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)	non flush (unshielded)
revers voltage protection	yes	yes	yes	yes	yes
short circuit protection	yes	yes	yes	yes	yes
pick voltage protection	yes	yes	yes	yes	yes
circuit					

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Inductive DC three-wire NPN sensors

<p>housing</p>	 <p>REC. 80X80X40 PA or PP</p>				
<p>code</p>	<p>IPS-345-ON-R80-VI</p>				
<p>number of wires</p>	<p>3</p>				
<p>switching distance</p>	<p>45 mm</p>				
<p>temperature range</p>	<p>-20~+60 °C</p>				
<p>influence protection</p>	<p>IP67</p>				
<p>output</p>	<p>CABLE3X0.35-1.5m</p>				
<p>output stage</p>	<p>NPN TRANSISTOR</p>				
<p>output function</p>	<p>NO</p>				
<p>voltage range</p>	<p>10-60VDC</p>				
<p>max output current</p>	<p>450</p>				
<p>max output frequency</p>	<p>100 Hz</p>				
<p>indicator led</p>	<p>yes</p>				
<p>max drop voltage</p>	<p>2 V</p>				
<p>max no-load or leakage current</p>	<p>15 mA</p>				
<p>pressure rate</p>	<p>3 bar</p>				
<p>mounting</p>	<p>non flush (unshielded)</p>				
<p>revers voltage protection</p>	<p>yes</p>				
<p>short circuit protection</p>	<p>yes</p>				
<p>pick voltage protection</p>	<p>yes</p>				
<p>circuit</p>	