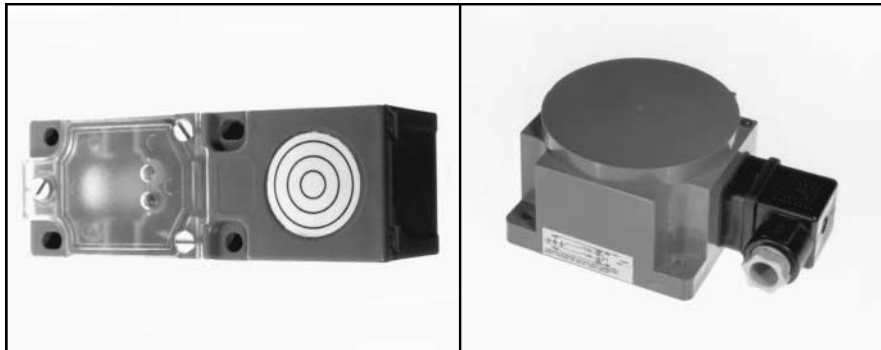




Series 300/301

Inductive Proximity Sensors
40mm Rectangular, 80mm Square



SIZE		40mm Rectangular						80mm Square		
TYPE		2 Wire DC		4 Wire DC		2 Wire AC		2 Wire DC	4 Wire DC	2 Wire AC
Shielding	S - Shielded	S	N	S	N	S	N	N	N	N
	N - Non-Shielded									
Maximum Sensing Distance (Sn)mm		15	20	15	20	15	20	50	50	50
Switching Frequency	Hz	300		300		12		50	50	12
Repeatability	mm			<0.3				<0.5		
Supply Voltage (Residual Ripple <10%)		10-30VDC		10-55VDC		20-250VAC		10-30VDC	10-55VDC	20-250VAC
Maximum Output Current	mA	100		200		300		100	200	300
Minimum Output Current	mA	<1.5		—		<5		<1.5	—	<5
Max. Peak Current for 20ms	A	—		—		1.5		—	—	1.5
No Load Current at 24VDC	mA			<10		—		—	<10	—
Leakage Current	mA	<0.6		—		<2.5		<0.6	—	<2.5
Voltage Drop (ON State)		<7VDC		<1.8VDC		<6VAC		<7VDC	<1.8VDC	<6VAC
Outputs		N.O. or N.C. Programmable		PNP NO & NC NPN NO & NC		N.O. or N.C. Programmable		N.O. or N.C. Programmable	PNP N.O. & N.C. NPN N.O. & N.C.	N.O. or N.C. Programmable
Standard Termination		Terminal Block						K Connector		

SPECIFICATIONS

SWITCHING POINT HYSTERESIS

<±10% of max. sensing distance

SHORT CIRCUIT PROTECTION

Yes (DC Models Only)

REVERSE POLARITY PROTECTION

Yes (DC Models Only)

LED INDICATOR

Yes

OPERATING TEMPERATURE

-25°C to +70°C

HOUSING MATERIAL

Plastic

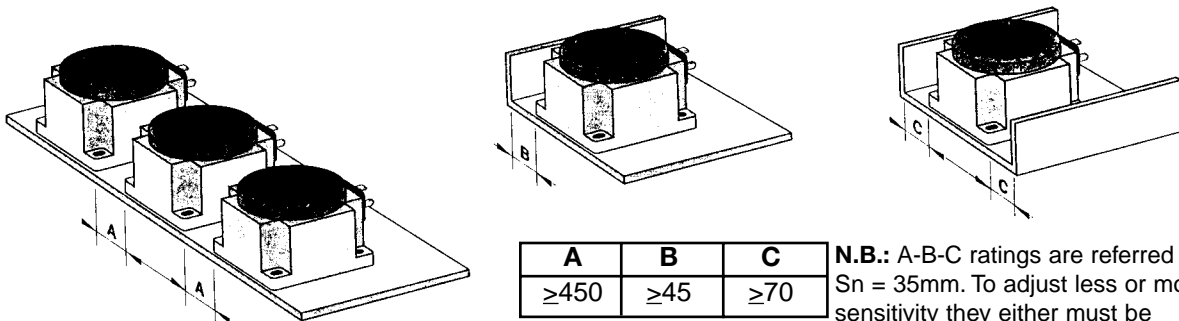
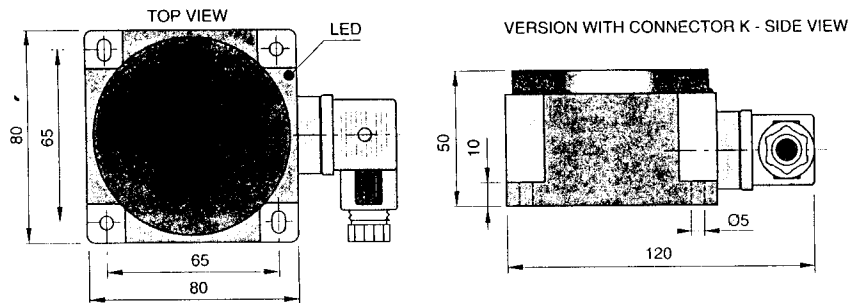
DEGREE OF PROTECTION

NEMA 1, 4, 12, 13, (IP65)

APPROVALS

CE

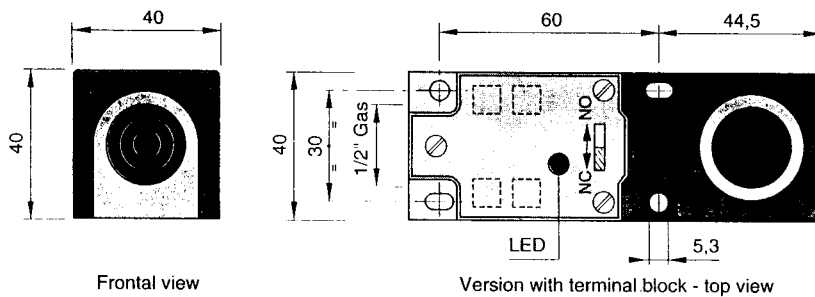
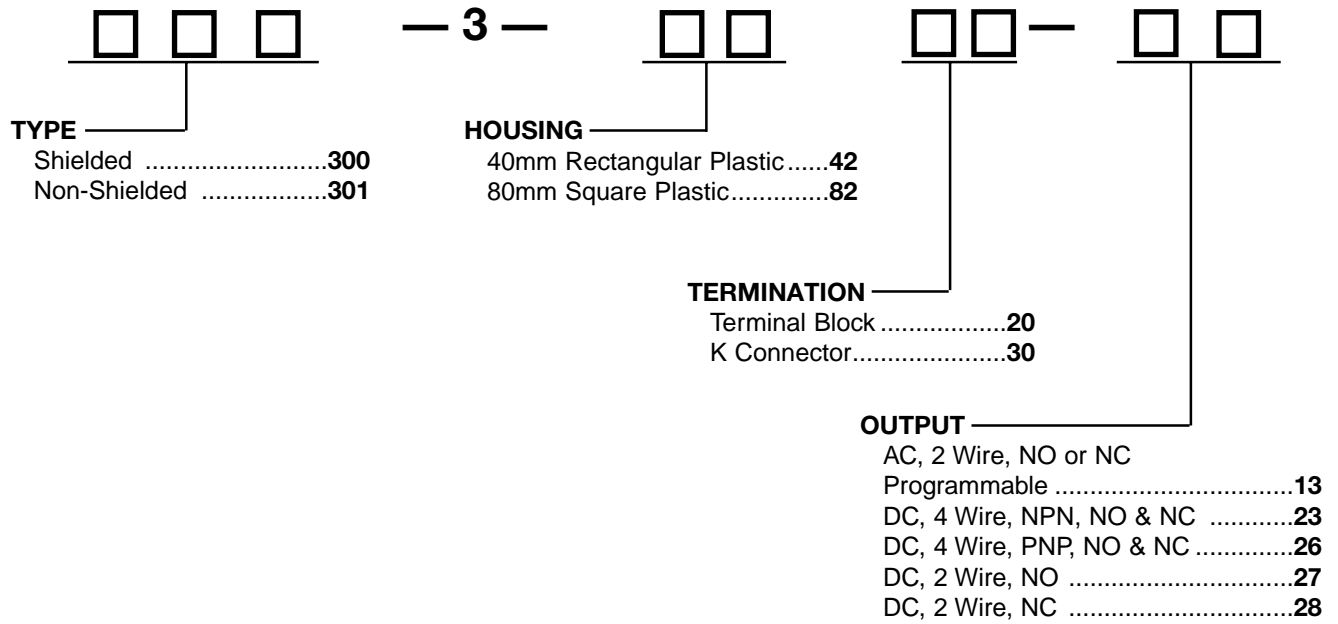
DIMENSIONS



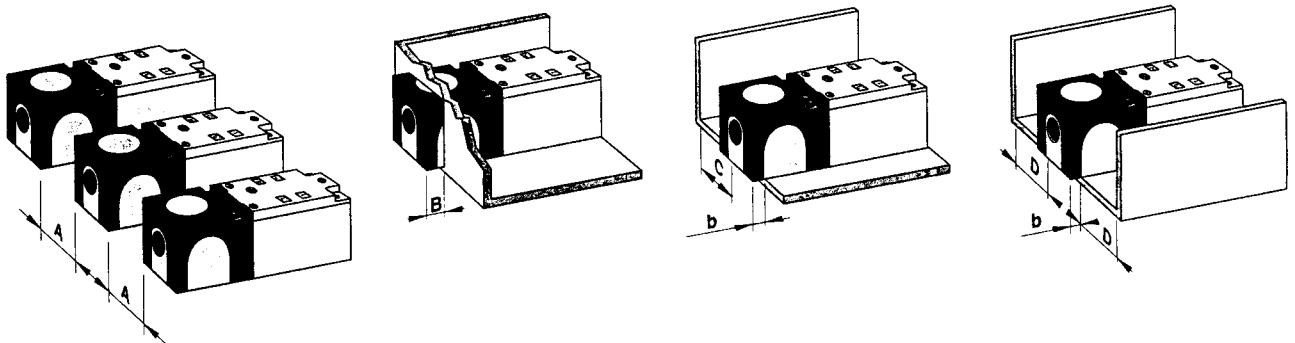
A	B	C
≥450	≥45	≥70

N.B.: A-B-C ratings are referred to Sn = 35mm. To adjust less or more sensitivity they either must be decreased or increased.

ORDERING INFORMATION



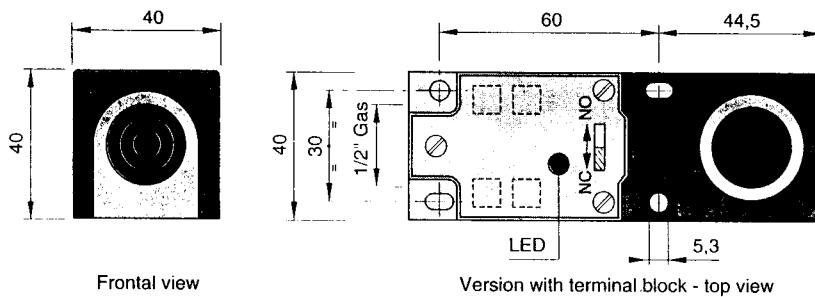
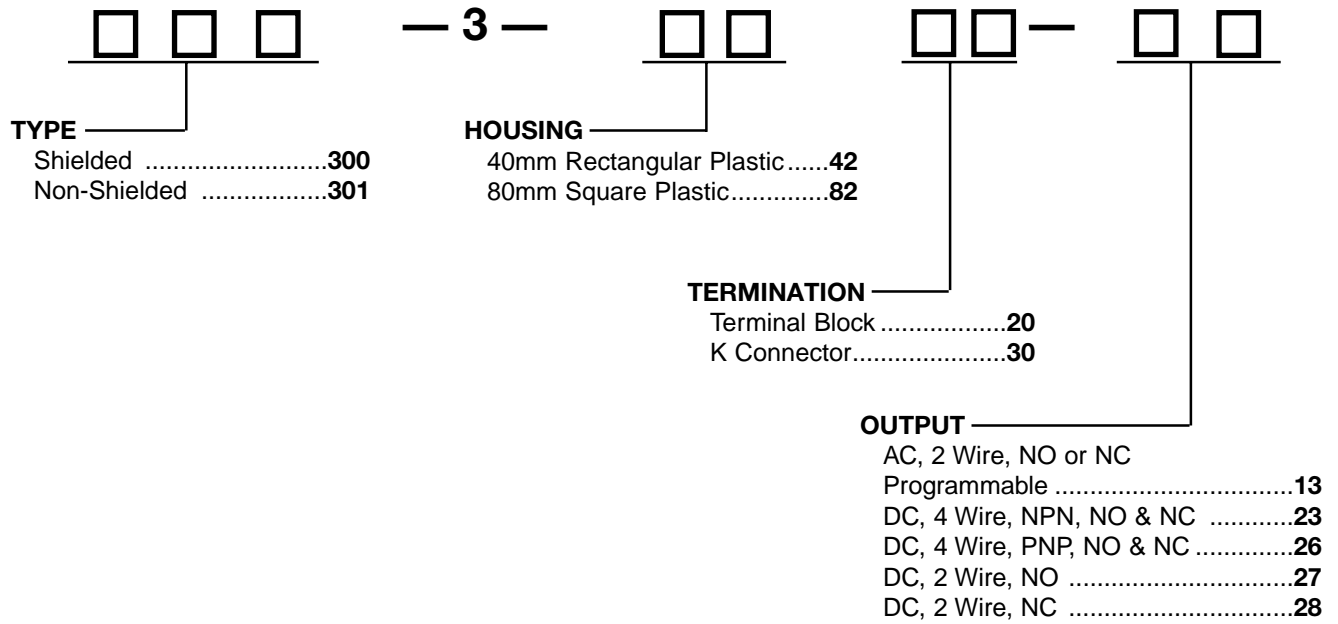
300-3-4220-XX



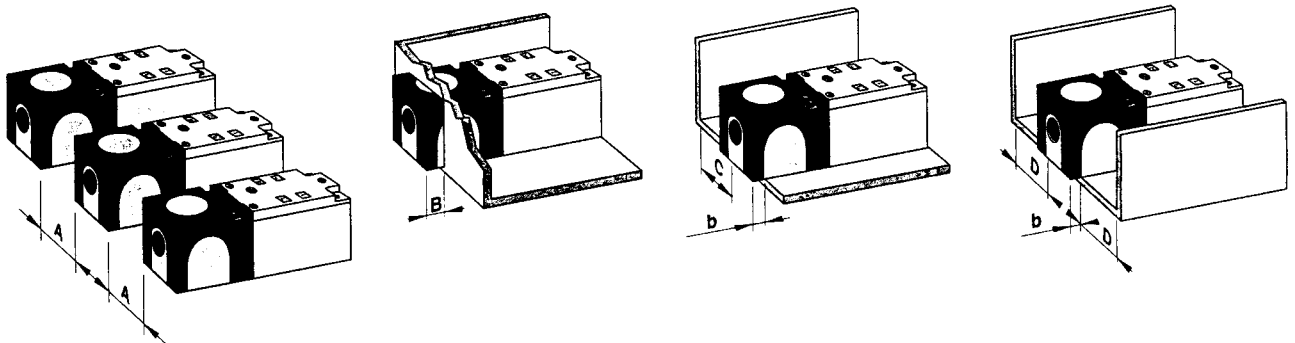
- The installation example makes reference to the sensing face.

DIMENSIONS MM	A	B	b	C	D
Shielded	≥30	≥6	≥0	≥0	≥0
Non-Shielded	≥40	≥40	≥15	≥10	≥15

ORDERING INFORMATION



300-3-4220-XX



- The installation example makes reference to the sensing face.

DIMENSIONS MM	A	B	b	C	D
Shielded	≥30	≥6	≥0	≥0	≥0
Non-Shielded	≥40	≥40	≥15	≥10	≥15