

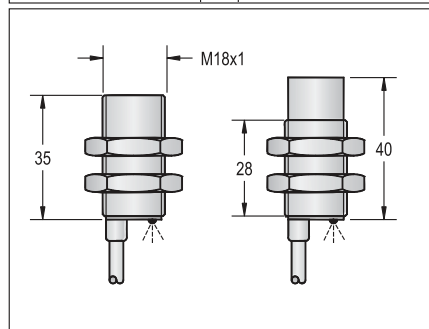
DC INDUCTIVE PROXIMITY SENSORS

M18	
●	○
8 mm	16 mm
Stainless steel or Nickel plated brass	
●	



10-30VDC / 5-36VDC / 10-55VDC / 10-60VDC	
<10%	
<10mA	
200mA	
<0.01mA	
<2.0V	
500HZ	150HZ
0.5ms/0.5ms	1ms/1ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
PBT	

HG-A8NO-M18E-1	1	HG-B16NO-M18E-1
HG-A8NC-M18E-1	2	HG-B16NC-M18E-1
HG-A8PO-M18E-1	3	HG-B16PO-M18E-1
HG-A8PC-M18E-1	4	HG-B16PC-M18E-1
HG-A8PS-M18E-1	5	HG-B16PS-M18E-1
HG-A8NS-M18E-1	6	HG-B16NS-M18E-1
HG-A8DO-M18E-1	7	HG-B16DO-M18E-1
HG-A8DC-M18E-1	8	HG-B16DC-M18E-1
	1	
	2	
	3	
	4	
	1	
	2	
	3	
	4	
	5	
	6	



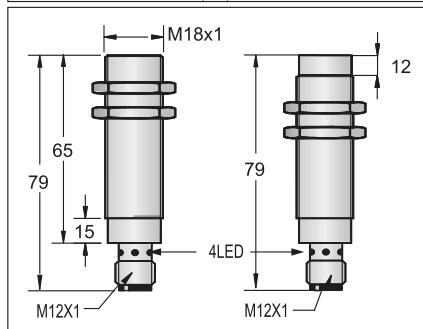
4φ 3x0.34 or 4φ 4x0.34	
Approx.132 g	Approx.134 g

M18	
●	○
8 mm	16 mm
Stainless steel or Nickel plated brass	
●	



10-30VDC / 5-36VDC / 10-55VDC / 10-60VDC	
<10%	
<10mA	
200mA	
<0.01mA	
<2.0V	
500HZ	150HZ
0.5ms/0.5ms	1ms/1ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
PBT	

HG-A8NO-M18F2-1	1	HG-B16NO-M18F2-1
HG-A8NC-M18F2-1	2	HG-B16NC-M18F2-1
HG-A8PO-M18F2-1	3	HG-B16PO-M18F2-1
HG-A8PC-M18F2-1	4	HG-B16PC-M18F2-1
HG-A8PS-M18F2-1	5	HG-B16PS-M18F2-1
HG-A8NS-M18F2-1	6	HG-B16NS-M18F2-1
HG-A8DO-M18F2-1	7	HG-B16DO-M18F2-1
HG-A8DC-M18F2-1	8	HG-B16DC-M18F2-1
	1	
	2	
	3	
	4	
	1	
	2	
	3	
	4	
	5	
	6	



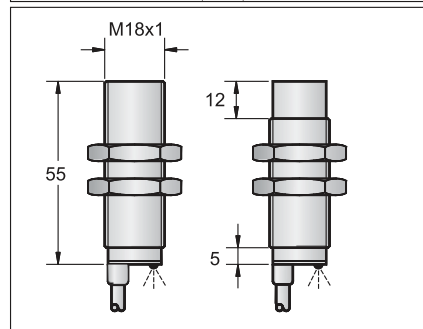
Approx.94 g	Approx.91 g
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M18	
●	○
12 mm	20 mm
Nickel plated brass	
●	



10-30VDC / 5-36VDC / 10-55VDC / 10-60VDC	
<10%	
<10mA	
200mA	
<0.01mA	
<2.0V	
500HZ	150HZ
0.5ms/0.5ms	1ms/1ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
PBT	

HG-A12NO-M18E	1	HG-B20NO-M18E
HG-A12NC-M18E	2	HG-B20NC-M18E
HG-A12PO-M18E	3	HG-B20PO-M18E
HG-A12PC-M18E	4	HG-B20PC-M18E



5.8φ 3x0.5	
Approx.153 g	Approx.144 g

DC INDUCTIVE PROXIMITY SENSORS

Diameter
☒ Shielded ☐ Non-shielded
Switching Distance Sn: mm
Housing Material
☒ With LED ☐ Without LED

Picture

M18	
	
12 mm	20 mm
Nickel plated brass	
	



CE

M18	
	
12 mm	20 mm
Nickel plated brass	
	



CE

Operating Voltage
Ripple
No Load Current
Max. Load Current
Leakage Current
Voltage Drop
Switching Frequency
Response Time
Switching Hysteresis
Repeat Accuracy
Protection Category
Operating Temperature
Temperature Drift
Short Circuit Protection
Overload Trip Point
Material Active Face

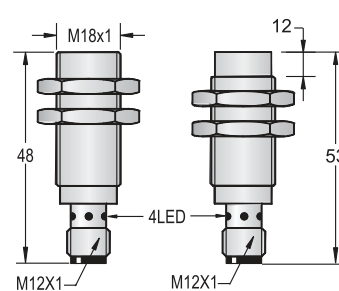
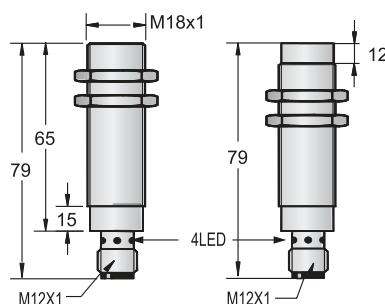
10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
<2.0V	
300HZ	100HZ
0.5ms/0.5ms	1ms/1ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
PBT	

10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
<2.0V	
300HZ	100HZ
0.5ms/0.5ms	1ms/1ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
PBT	

DC 3 wire 10-30V NPN N.O.
DC 3 wire 10-30V NPN N.C.
DC 3 wire 10-30V PNP N.O.
DC 3 wire 10-30V PNP N.C.
DC 4 wire 10-30V Changeover PNP (N.O. & N.C.)
DC 4 wire 10-30V Changeover NPN (N.O. & N.C.)
DC 2 wire 10-60V N.O. *
DC 2 wire 10-60V N.C. *
DC 3 wire 10-55V NPN N.O.
DC 3 wire 10-55V NPN N.C.
DC 3 wire 10-55V PNP N.O.
DC 3 wire 10-55V PNP N.C.
DC 3 wire 5-36V NPN N.O.
DC 3 wire 5-36V NPN N.C.
DC 3 wire 5-36V PNP N.O.
DC 3 wire 5-36V PNP N.C.
DC 4 wire 5-36V Changeover PNP (N.O. & N.C.)
DC 4 wire 5-36V Changeover NPN (N.O. & N.C.)

[illegible][illegible]

Dimensions (unit: mm)



Cable 2M (PVC)
Weight

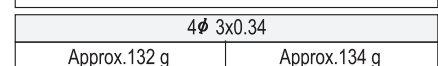
Approx. 94 g	Approx. 91 g
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Approx. 50 g

DC INDUCTIVE PROXIMITY SENSORS



Two stainless steel cable glands are shown, one slightly behind the other. They have a cylindrical body with a flange and a threaded cap. A CE mark is visible in the bottom right corner of the image area.

[illegible]

Two stainless steel push buttons are shown side-by-side. Each button has a cylindrical body with a hexagonal base and a small screw terminal on the side. A CE mark is visible in the bottom right corner of the image.

HG-A10NO-M30F2	1	HG-B15NO-M30F2
HG-A10NC-M30F2	2	HG-B15NC-M30F2
HG-A10PO-M30F2	3	HG-B15PO-M30F2
HG-A10PC-M30F2	4	HG-B15PC-M30F2
HG-A10PS-M30F2	5	HG-B15PS-M30F2
HG-A10NS-M30F2	6	HG-B15NS-M30F2
HG-A10DO-M30F2	7	HG-B15DO-M30F2
HG-A10DC-M30F2	8	HG-B15DC-M30F2
	1	
	2	
	3	
	4	
	1	
	2	
	3	
	4	
	5	
	6	



Two views of the 1/2" stainless steel ball valve are shown. The left view is a front-facing perspective, highlighting the polished stainless steel body, the hexagonal base for mounting, and the white, cylindrical handle. The right view is a side profile, showing the valve's compact design and the threaded end for pipe connection. A CE mark is visible in the bottom right corner of the image area.

HG-A10NO-M30F2-1	1	HG-B15NO-M30F2-1
HG-A10NC-M30F2-1	2	HG-B15NC-M30F2-1
HG-A10PO-M30F2-1	3	HG-B15PO-M30F2-1
HG-A10PC-M30F2-1	4	HG-B15PC-M30F2-1
HG-A10PS-M30F2-1	5	HG-B15PS-M30F2-1
HG-A10NS-M30F2-1	6	HG-B15NS-M30F2-1
HG-A10DO-M30F2-1	7	HG-B15DO-M30F2-1
HG-A10DC-M30F2-1	8	HG-B15DC-M30F2-1
	1	
	2	
	3	
	4	
	1	
	2	
	3	
	4	
	5	
	6	

