

Gli interruttori di prossimità induttivi ad uscita analogica (lineare) variano la propria tensione o corrente in uscita al variare della distanza dell'oggetto da rilevare.

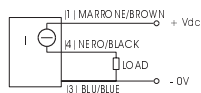
- versioni con uscita in tensione 0 ÷ 10 V
- versioni con uscita in corrente 0 ÷ 10 mA
- versioni con uscita in tensione 4 ÷ 20 mA - 0 ÷ 16 mA

TIPI - TYPES	Ø 12	Ø 12	Ø 12	Ø 12	Ø 18
ANALOGICI ANALOGUES					
CARATTERISTICHE FEATURES					
Schermato - <i>Shielded</i>	●		●		●
Non schermato - <i>Unshielded</i>		●		●	
Campo di variazione - <i>Working range</i>	0,2 ÷ 2 mm	0,2 ÷ 4 mm	0,2 ÷ 2 mm	0,2 ÷ 4 mm	0 ÷ 5 mm
Tensione di alimentazione - <i>Supply voltage</i>	17 ÷ 28 Vdc				
Ondulazione residua - <i>Ripple</i>	≤ 10%				
Carico - <i>Load</i>	> 100 kΩ (0-10 V) ≤ 1 kΩ (0 - 10 mA)				
Assorbimento - <i>Power consumption</i>	≤ 15 mA				
Ripetibilità - <i>Repeatability</i>	≤ 0,02 mm				
Deriva della curva - <i>Curve behaviour</i>	≤ 10 %				
Campo di variazione lineare - <i>Linear working range</i>	0,2 ÷ 2 mm	0,5 ÷ 2,5 mm	0,2 ÷ 2 mm	0,5 ÷ 2,5 mm	0 ÷ 3 mm
Protezione al corto circuito - <i>Short circuit protection</i>	No				
Temperatura di funzionamento - <i>Working temperature</i>	0 ÷ +55 °C				
Grado di protezione - <i>IP rating</i>	IP67 (con connettore montato - <i>with connector mounted</i>)				
Custodia - <i>Housing</i>	Ottone nichelato - <i>Nickel plated brass</i>				
Conneessione - <i>Connection</i>	Cavo 2 m 2 m cable	Cavo 2 m 2 m cable	Connettore M12 M12 connector	Connettore M12 M12 connector	Cavo 2 m 2 m cable
Collegamento - <i>Linking</i>	3 x 0,35 mm ²	3 x 0,35 mm ²	C5-C6-C7-L7	C5-C6-C7-L7	3 x 0,35 mm ²
USCITA - OUTPUT 0 ÷ 10 Vdc (1)	B50G122V010	B50EG124V010	B50122V010C5	B50E124V010C5	B50G184V010
USCITA - OUTPUT 0 ÷ 10 mA (2)	B50G122A010	B50EG124A010	B50122A010C5	B50E124A010C5	B50G184A010
USCITA - OUTPUT 4 ÷ 20 mA* (3)	-	-	-	-	-

* Con collegamento a 3 fili (2), uscita 0 ÷ 16 mA.
With 3 wire connection (2), output 0 ÷ 16 mA.

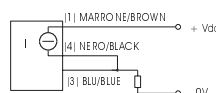
SCHEMI DI COLLEGAMENTO - CONNECTION DIAGRAMS

Corrente a 3 fili
3 wire current

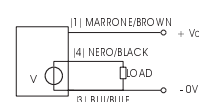


(2) 0 - 10 mA; 0 - 16 mA

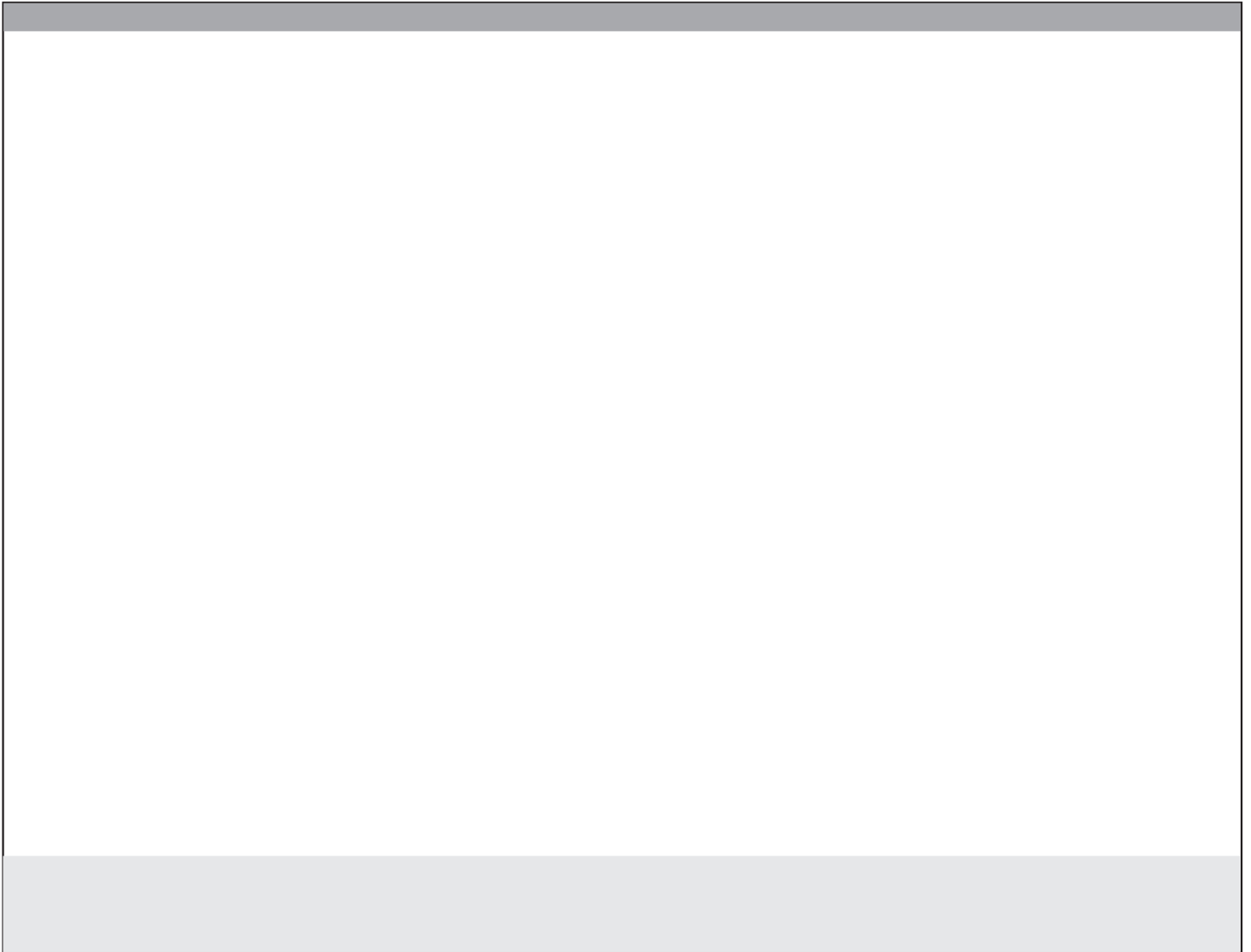
Corrente a 2 fili
2 wire current

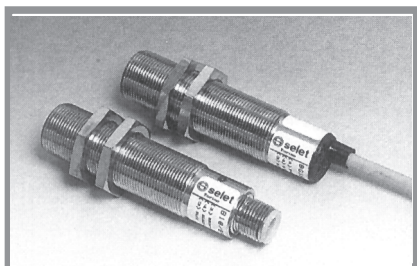


(3) 4 - 20 mA



(1) 0 - 10 Vdc





Gli interruttori di prossimità induttivi ad uscita analogica (lineare) variano la propria tensione o corrente in uscita al variare della distanza dell'oggetto da rilevare.

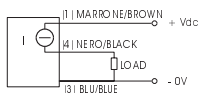
- versioni con uscita in tensione 0 ÷ 10 V
- versioni con uscita in corrente 0 ÷ 10 mA
- versioni con uscita in tensione 4 ÷ 20 mA - 0 ÷ 16 mA

TIPI - TYPES	Ø 30	Ø 30	Ø 30	Ø 30	Ø 30
ANALOGICI ANALOGUES					
			M12X1	M12X1	
CARATTERISTICHE FEATURES					
Schermato - <i>Shielded</i>	●	●	●	●	
Non schermato - <i>Unshielded</i>					●
Campo di variazione - <i>Working range</i>	0 ÷ 10 mm	0 ÷ 10 mm	0 ÷ 10 mm	0 ÷ 10 mm	0 ÷ 15 mm
Tensione di alimentazione - <i>Supply voltage</i>	17 ÷ 28 Vdc	24 Vdc	17 ÷ 28 Vdc	24 Vdc	17 ÷ 28 Vdc
Ondulazione residua - <i>Ripple</i>	≤ 10%				
Carico - <i>Load</i>	> 100 kΩ (0-10 V) ≤ 1 kΩ (0 - 10 mA)	≤ 430 Ω (4 - 20 mA) ≤ 1 kΩ (0 - 16 mA)	> 100 kΩ (0 - 10 V) ≤ 1 kΩ (0 - 10 mA)	≤ 430 Ω (4 - 20 mA) ≤ 1 kΩ (0 - 16 mA)	> 100 kΩ (0 - 10 V) ≤ 1 kΩ (0 - 10 mA)
Assorbimento - <i>Power consumption</i>	≤ 15 mA				
Ripetibilità - <i>Repeatability</i>	≤ 0,02 mm				
Deriva della curva - <i>Curve behaviour</i>	≤ 10%				
Campo di variazione lineare - <i>Linear working range</i>	1,5 ÷ 8 mm	1,5 ÷ 8 mm	1,5 ÷ 8 mm	1,5 ÷ 8 mm	1,5 ÷ 10,5 mm
Protezione al corto circuito - <i>Short circuit protection</i>	NO				
Temperatura di funzionamento - <i>Working temperature</i>	0 ÷ + 55 °C				
Grado di protezione - <i>IP rating</i>	IP67 (con connettore montato - <i>with connector mounted</i>)				
Custodia - <i>Housing</i>	Ottone nichelato - <i>Nickel plated brass</i>				
Conneessione - <i>Connection</i>	Cavo 2 m 2 m cable	Cavo 2 m 2 m cable	Connettore M12 M12 connector	Connettore M12 M12 connector	Cavo 2 m 2 m cable
Collegamento - <i>Linking</i>	3 x 0,35 mm ²	3 x 0,35 mm ²	C5-C6-C7-L7	C5-C6-C7-L7	3 x 0,35 mm ²
USCITA - OUTPUT 0 ÷ 10 Vdc (1)	B50G3010V010	-	B503010V010C5	-	B50EG3015V010
USCITA - OUTPUT 0 ÷ 10 mA (2)	B50G3010A010	-	B503010A010C5	-	B50EG3015A010
USCITA - OUTPUT 4 ÷ 20 mA* (3)	-	B50G3010A420	-	B503010A420C5	-

* Con collegamento a 3 fili (2), uscita 0 ÷ 16 mA.
With 3 wire connection (2), output 0 ÷ 16 mA.

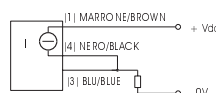
SCHEMI DI COLLEGAMENTO - CONNECTION DIAGRAMS

Corrente a 3 fili
3 wire current

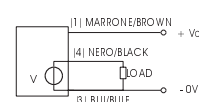


(2) 0 - 10 mA; 0 - 16 mA

Corrente a 2 fili
2 wire current



(3) 4 - 20 mA



(1) 0 - 10 Vdc

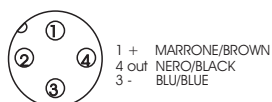


This family of inductive sensors with analogue output works by changing its current or voltage output according to the distance between sensor and target.

- voltage types - output 0 ÷ 10 V
- current types - output 0 ÷ 10 mA
- current types - output 4 ÷ 20 mA - 0 ÷ 16 mA

Ø 30	Q 80				
●	●				
0 ÷ 15 mm	0 ÷ 60 mm				
17 ÷ 28 Vdc	24 Vdc				
≤ 10%					
> 100 kΩ (0 - 10 V) ≤ 1 kΩ (0 - 10 mA)	> 430 Ω (4 - 20 mA) ≤ 1 kΩ (0 - 16 mA)				
≤ 15 mA					
≤ 0,02 mm					
≤ 10%					
1,5 ÷ 10,5 mm	9 ÷ 40 mm				
NO					
0 ÷ + 55 °C					
IP67 (con connettore montato - with connector mounted)					
Ottone nichelato - Nickel plated brass					
Connettore M12 M12 connector	Cavo 2 m 2 m cable				
C5-C6-C7-L7	3 x 0,35 mm ²				
B50E3015V010C5	-				
B50E3015A010C5	-				
-	B50QE8060A420				

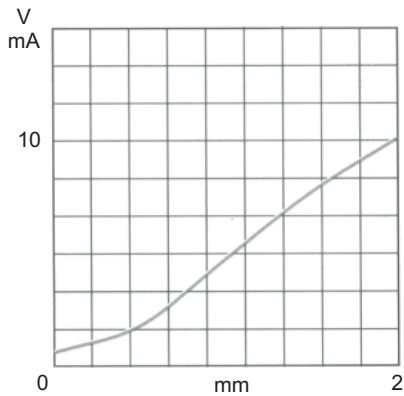
SCHEMI DI COLLEGAMENTO - CONNECTION DIAGRAMS



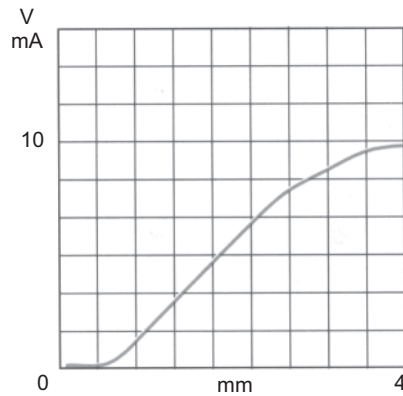
C5-C6-C7-L7 c.c./dc

Curve d'uscita
Output curves

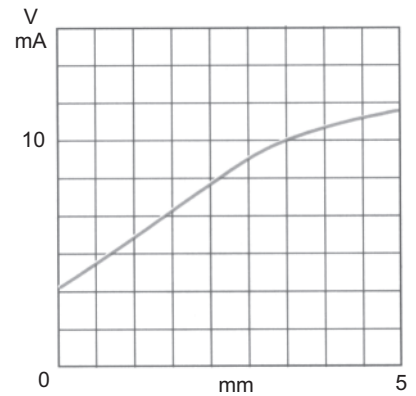
B50G122V010
B50G122A010
B50122V010C5
B50122A010C5



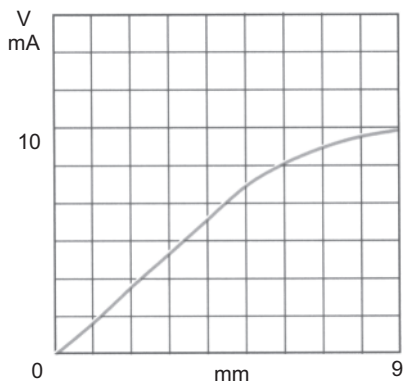
B50EG124V010
B50EG124A010
B50E124V010C5
B50E124A010C5



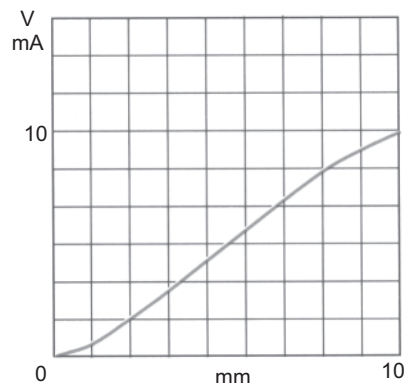
B50G184V010
B50G184A010
B50184V010C5
B50184A010C5



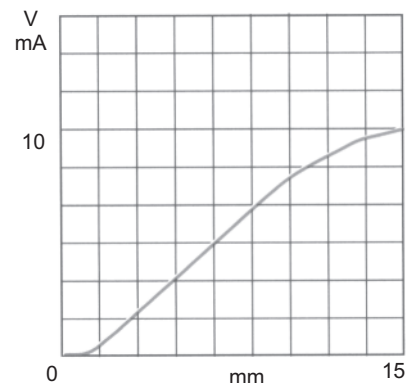
B50EG189V010
B50EG189A010
B50E189V010C5
B50E189A010C5



B50G3010V010
B50G3010A010
B503010V010C5
B503010A010C5



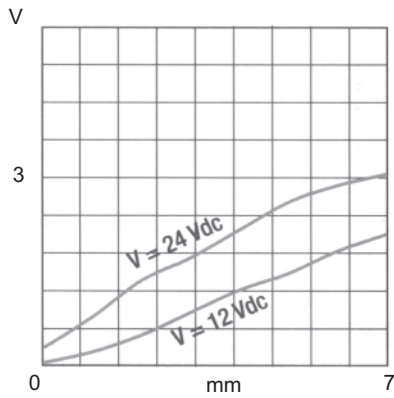
B50EG3015V010
B50EG3015A010
B50E3015V010C5
B50E3015A010C5



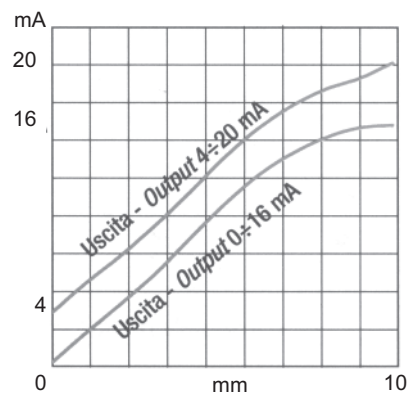


Curve d'uscita
Output curves

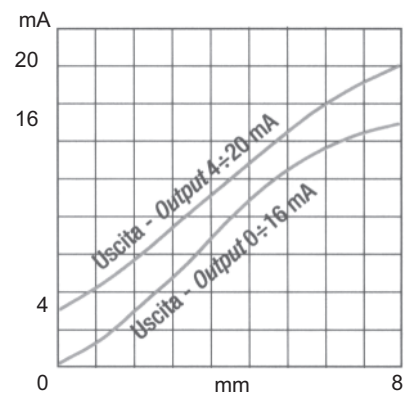
**B50EN187V03
B50187V03C5**



**B50EG3010A420
B50E3010A420C5**



**B50EG188A420
B50E188A420C5**



B50QE8060A420

