

Sensori di prossimità induttivi M18 in CA serie VK

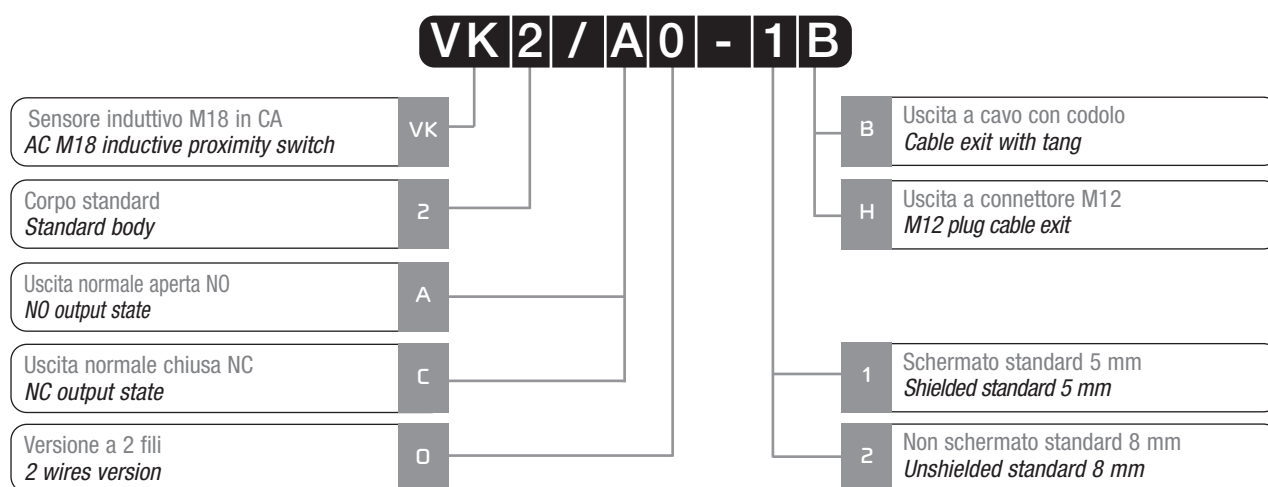
AC M18 inductive proximity sensors VK series



Caratteristiche principali Main features

- > Uscite: cavo e connettore M12
> *Output: cable and M12 plug cable exit*
- > Modelli a 2 fili
> *Models with 2 wires*
- > Grado di protezione IP 67
> *IP 67 protection degree*
- > Multitensione 20 ... 253 Vac
> *Multivoltage 20 ... 253 Vac*
- > Marchio 
> *CE Mark*

Descrizione del codice - Code structure



Modelli disponibili - Available models

Corpo Standard / Standard housing

Diametro <i>Diameter</i>	Montaggio <i>Installation</i>	Portata <i>Distance</i>	Conn. <i>Plug</i>	Distanza <i>Distance</i>	NO	NC
M12	Schermato <i>Shielded</i>	Standard	Cavo con codolo / <i>Wire with tang</i>	5 mm	VK2/A0-1B	VK2/C0-1B
			M12	5 mm	VK2/A0-1H	VK2/C0-1H
	Non schermato <i>Unshielded</i>	Standard	Cavo con codolo / <i>Wire with tang</i>	8 mm	VK2/A0-2B	VK2/C0-2B
			M12	8 mm	VK2/A0-2H	VK2/C0-2H

Specifiche (In accordo con IEC EN 60947-5-2 / DIN 44030) - Specifications (According to IEC EN 60947-5-2 / DIN 44030)

Modelli / Models	VK2/*0-1*	VK2/*0-2*
Distanza nominale S_n / Nominal sensing distance S_n	5 mm	8 mm
Distanza di lavoro / Operating distance	0 ... 4 mm	0 ... 6,5 mm
Corsa differenziale / Hysteresis	1 ... 20%	
Dimensione azionatore normalizzato / Standard target	18x18 mm FE360	24x24 mm FE360
Ripetibilità / Repeat accuracy	5%	
Campo di tensione di alimentazione / Supply voltage range	20 ... 253 Vac – 50/60 Hz	
Corrente di picco non ripetitiva / Inrush current	7A (Ton = 10 ms)	
Corrente di uscita / Output current	5 ... 300 mA RMS	
Tensione di saturazione di uscita / Output voltage drop	Vedi curve / See diagram	
Tipo di uscita / Output type	TRIAC – NO o / or NC	
Corrente di perdita / Leakage current	1 mA RMS max	
Frequenza di commutazione / Switching frequency	25 Hz	
Ritardo all'accensione / Time delay before availability	200 ms	
Campo di temperatura ambiente / Ambient temperature range	-25° ... +70°C	
Deriva termica di S_r / Temperature drift of S_r	10% S_r	
Protezione al corto circuito / Short-circuit protection	NO	
Indicatori LED / LED indicators	Giallo (uscita attiva) / Yellow (output energized)	
Grado di protezione / Degree of protection	IP 67 ⁽¹⁾	
Protezione EMC / EMC protection:	Secondo / According to IEC/EN60947-5-2	
	1 kV	
IEC 60255-5	Livello 3 / Level 3	
IEC 61000-4-2	Livello 3 / Level 3	
IEC 61000-4-3	Livello 3 / Level 3	
IEC 61000-4-4	Livello 3 / Level 3	
Materiale del corpo / Housing material	Ottone nichelato / Nickel-plated brass	
Superficie sensibile / Sensing face	PBT	
Connessione / Connection	Connettore M12 / M12 plug	
Cavo / Cable	2 m	
Peso / Weight	107 g versione a cavo / cable version 53 g versione a connettore M12 / M12 plug version	

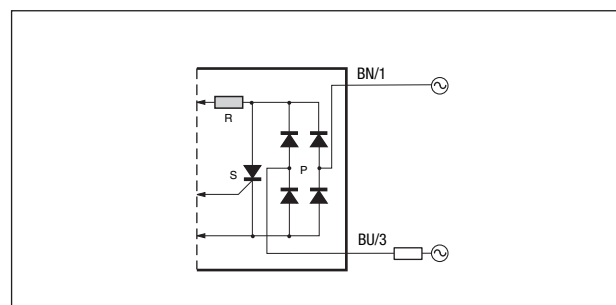
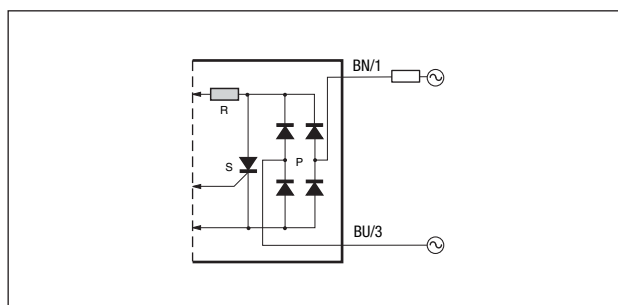
(1) Protezione garantita solo con il cavo a connettore correttamente montato

(1) Protection guaranteed only with plug cable well mounted

Coefficienti di riduzione - Correction factors

Codice / Code	Acciaio / Steel FE 360	Rame Copper	Alluminio Aluminium	Ottone Brass	Acciaio INOX Stainless steel
VK2/*-1*	1	0.35	0.40	0.50	0.80
VK2/*-2*	1	0.40	0.45	0.55	0.95

Schemi elettrici delle connessioni - Electrical diagrams of the connections

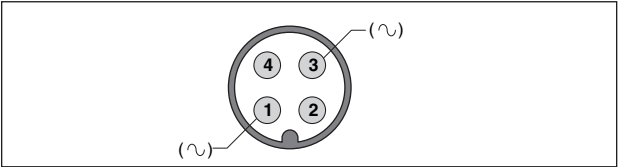


Legenda Key

BN → marrone/brown
BK → nero/black
PK → rosa/pink
BU → blu/blue
WH → bianco/white
GY → grigio/gray

Connettore - Plug

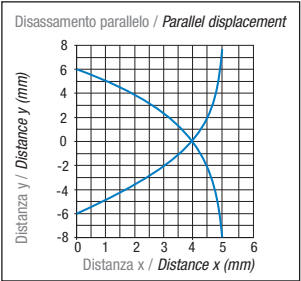
M12



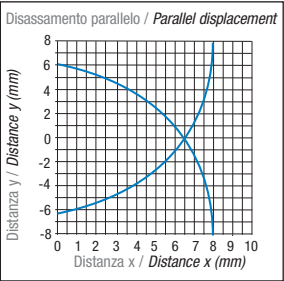
Connettori serie CD / Connectors CD series

Curva di risposta - Response diagram

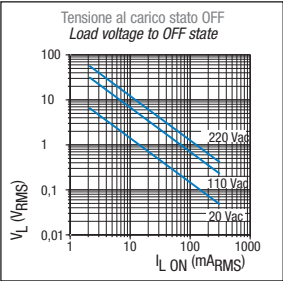
VK2/*0-1*



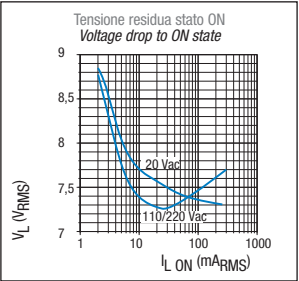
VK2/*0-2*



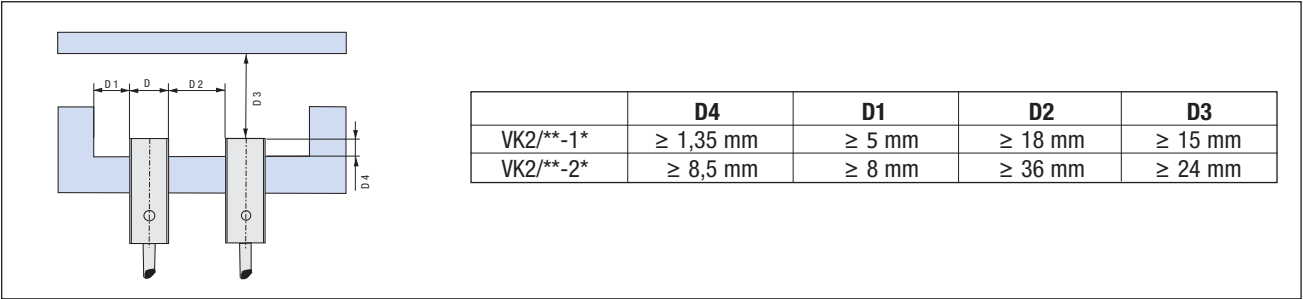
VK2/*0-**



VK2/*0-**



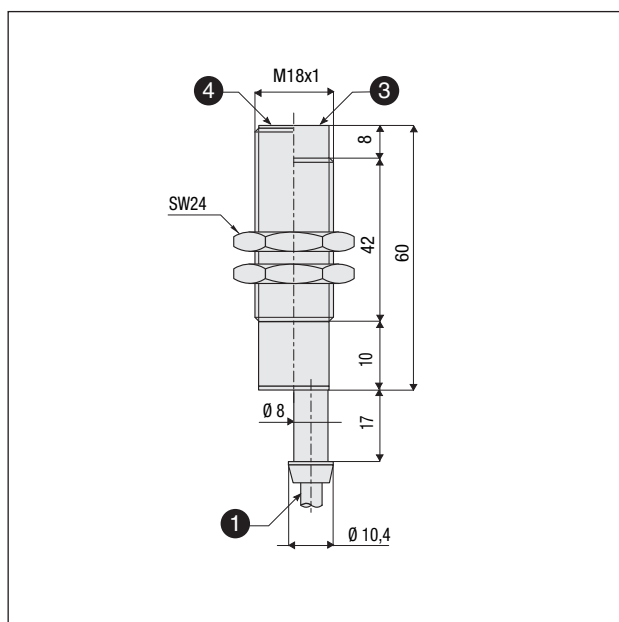
Montaggio - Installation



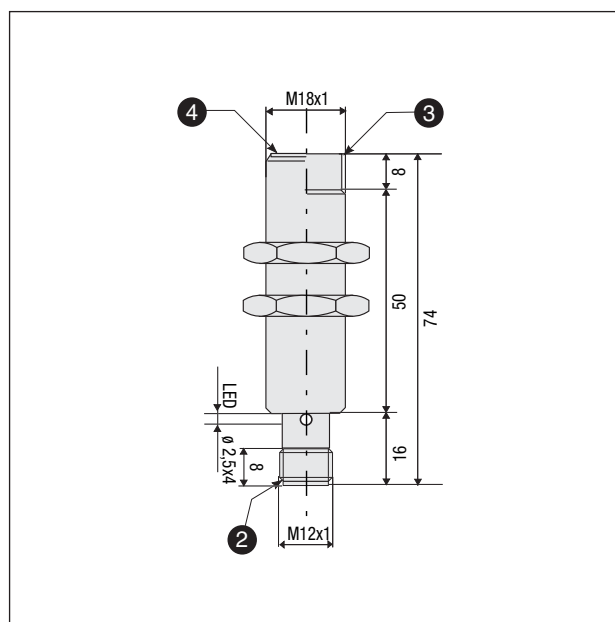
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Dimensioni - Dimensions

VK2/**-*B



VK2/**-*H



Legenda / Key

- | | |
|---|---|
| ① Cavo con codolo 2x0,34 mm ² , Ø4,7 mm, PVC, 2 m
<i>Cable with tang 2x0,34 mm², Ø4,7 mm, PVC, 2 m</i> | ③ Versione non schermata
<i>Unshielded version</i> |
| ② Connettore M12
<i>M12 plug</i> | ④ Versione schermata
<i>Shielded version</i> |