KENNDA®

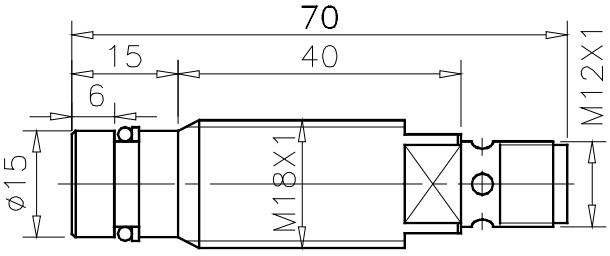
High Pressure Proximity Switches

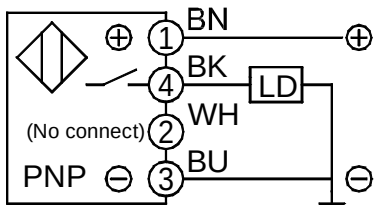
KGG Series **for Cylinders & Valves**

Specifications

Type	KGG18P3KPC
Housing size	M18×1
Mounting	flush
Output	PNP Normally-open
Rated sensing distance Sn	2.25 mm
Assured operating distance Sa	0 ... 2.0 mm
Rated operational voltage U_e	24 Vdc
Supply voltage U_B	10...30 Vdc
Voltage drop U_d at I_e	< 0.5 V
No-load supply current I_0	< 15 mA
Rated operational current I_e	0...200 mA
Off-state current I_r	< 80 μA
Protected against polarity reversal	yes
Protected power-output reversal	yes
Short circuit/overload protection	yes/yes
Delay protection for inductive load	yes
Voltage spikes protection	yes
Internal freewheeling diode	yes
Repeat accuracy R	< 5 %
Hysteresis H	Typ. 10%
Ambient temperature range T_a	–40...+85℃(–40...+185°F)
Operating frequency f	2000 Hz
Output action indication	Red LED
Power supply indication	Green LED
Degree of protection	IP 67
Housing material	Stainless steel 304
Material of sensing face	Epoxy
Rated high pressure	50 MPa (–20...+70 ℃)
Connection	connector

KENNDA provides high pressure Inductive and Capacitive proximity switches to service high pressure and high temperature environments. These switches have thick stainless steel housings and high density filling epoxy, which can resist 50MPa pressure on the sensing surface. The switches are temperature compensated from -40℃ to +155℃, which guarantees long and stable sensing distance. The complete switch meets IP 67. The switches are available with molded-in cable or with plug-in connector. Besides short circuit and over current protection, the switches have fully reversal connection protection on all of the power supply and output terminals, you can safely connect any pins to any external terminals (within supply voltage) without damage, as well as voltage spikes protection and delay protection for inductive load and freewheeling diode inside.





Tel: ++86 1380 1330 739 Fax: ++86 10 8536 7825 http:// www.bjkd.com Email: bjkd@bjkd.com
Beijing KENNDA Industrial Co., Ltd. Add: No. 7, Shuangqiaoxili, Chaoyang Dist., Beijing, 100121 China