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phd

CE

55803, 55804, 55823, 55824
55802, 55822

PART NUMBER: 6441-121C

SERIES 5580 SWITCHES

SPECIFICATIONS

HALL EFFECT SWITCHES

Model No.	55803 & 55823	55804 & 55824
Switch Color	Yellow	Red
Operating Principle	Hall Effect	
Actuated By	Target Magnet	
Input Voltage	4.5 to 24 VDC	
Output Type	Sinking (NPN)	Sourcing (PNP)
Current Rating	20 mA. Max.	100 mA. Max.
Voltage Drop	.5 VDC Max.	
Switch Burden	12 mA. Max.	
Environmental	IP67*	
Operating Temperature	0 to 80°C	

REED SWITCHES

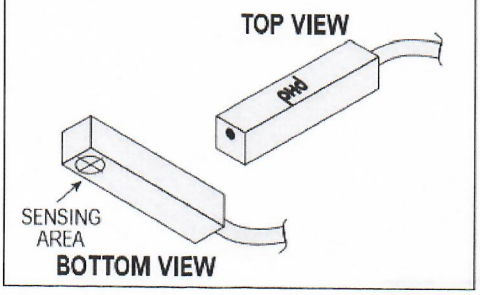
Model No.	55802 & 55822
Switch Color	White
Operating Principle	Magnetic Reed
Actuated By	Magnet
Input Voltage	4.5 to 24 VDC
Current Rating	200 mA. Switched
Contact Resistance	90 mOhm Max.
Output Type	Contact Closure
Environmental	IP67*
Operating Temp.	0 to 80°C

*When used with Quick Disconnect the disconnect is rated at IP65.

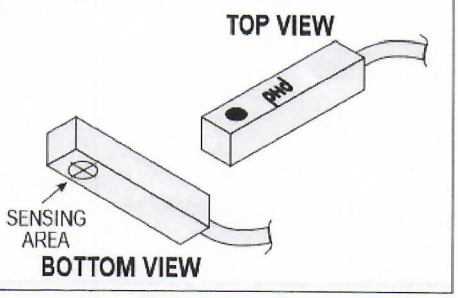
MOUNTING DIRECTIONS

The switch should be mounted so that the sensing area is oriented parallel to the moving target magnet.

MODEL NO. 55803/55823 & 55804/55824



MODEL NO. 55802 & 55822

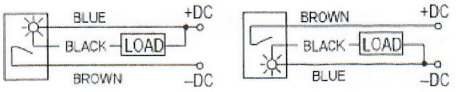


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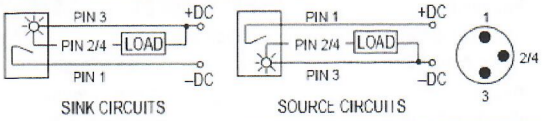
WIRING SCHEMATICS

MODEL NO. 55802 & 55822
INPUT - 4.5-24 VDC
LOAD CURRENT - 200 mA MAX.
SWITCH HOUSING COLOR - WHITE
(Bi-polar LED emits a green light in the Sinking circuit and a Red light in the Sourcing circuit.)

CABLED MODEL 55802

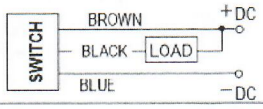


QUICK CONNECT MODEL 55822

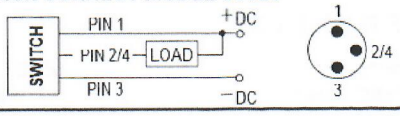


MODEL NO. 55803/55823 - SINK - NPN
INPUT - 4.5-24 VDC
LOAD CURRENT - 20 mA MAX.
SWITCH HOUSING COLOR - YELLOW
(LED has been omitted from the schematic for clarity.)

CABLED MODEL 55803

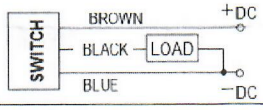


QUICK CONNECT MODEL 55823

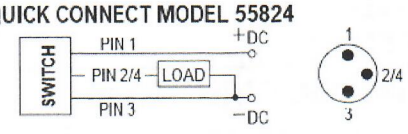


MODEL NO. 55804/55824 - SOURCE - PNP
INPUT - 4.5-24 VDC
LOAD CURRENT - 100 mA MAX.
SWITCH HOUSING COLOR - RED
(LED has been omitted from the schematic for clarity.)

CABLED MODEL 55804



QUICK CONNECT MODEL 55824



For additional technical assistance, call:

phd, inc.
P.O. Box 9070, Fort Wayne, IN 46899
1-800-624-8511

PART NUMBER 6441-121C

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