

SERIES 5580 SWITCHES

Replacement Kits

PHD has ceased manufacturing the old Series 5580 switches and will no longer sell them once inventory is depleted. These switches have been replaced. **For ordering convenience, the existing 558xx switch ordering numbers will now provide a kit with the correct JC1 switch and an adaptor.** The adaptor allows the JC1 switch to fit the existing 5580 switch mounting brackets and is a drop-in replacement. The cabled version of the JC1 switch comes standard with a 5 meter cable instead of the previous 2 meter cable of the 5580 switch.

For reference, see the chart below which provides the respective JC1 switch that matches the 5580 switch sensing capability.

SWITCH REPLACEMENT CHART

SWITCH KIT NUMBER	REPLACEMENT KIT INCLUDES	JC1 SWITCH DESCRIPTION
55802-1-02	JC1RDU-5 switch with adaptor	PNP or NPN DC Reed, 5 meter cable
55822-1	JC1RDU-K switch with adaptor	PNP or NPN DC Reed, Quick Connect
55803-1-02	JC1HDN-5 switch with adaptor	NPN (Sink), Radial Sensing, 5 meter cable
55823-1	JC1HDN-K switch with adaptor	NPN (Sink), Radial Sensing, Quick Connect
55804-1-02	JC1HDP-5 switch with adaptor	PNP (Source), Radial Sensing, 5 meter cable
55824-1	JC1HDP-K switch with adaptor	PNP (Source), Radial Sensing, Quick Connect

CORDSETS

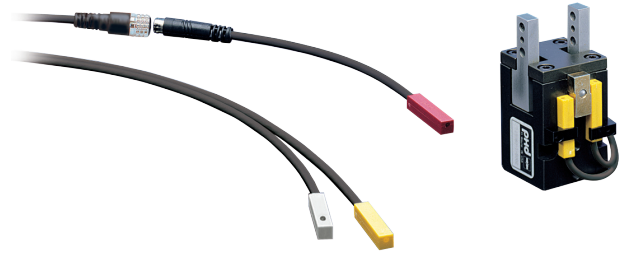
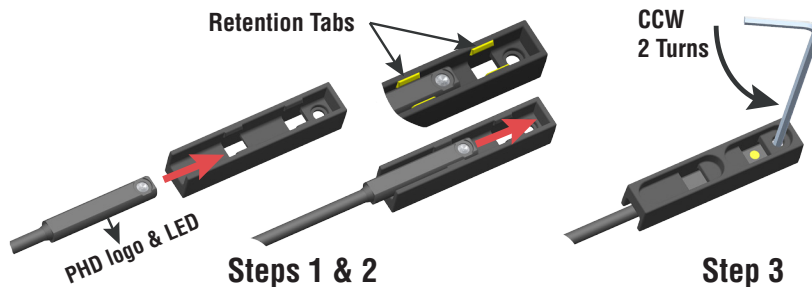
PART NO.	DESCRIPTION
63549-02	M8, 3 pin, Straight Female Connector, 2 meter cable
63549-05	M8, 3 pin, Straight Female Connector, 5 meter cable

Cordsets are ordered separately.

ASSEMBLY INSTRUCTIONS

- 1) Orient switch and adaptor "PHD" logo /LED facing down as shown.
- 2) Gently insert switch into open end of adaptor, and continue sliding switch until end makes contact with closed end of adaptor. Switch must slide under adaptor retention tabs.
- 3) Using supplied wrench, rotate set screw two full rotations counter-clockwise (CCW) to secure switch.

Note: Failure to secure switch into adaptor may allow for improper switch operation.



Old Series 5580 Switches



New Drop-in Replacement Kit
Includes a JC1 Switch
with an Adaptor

PHD products that use 5580 switches are:

Escapements - Series LC, size 10

Grippers - Series GRD, GRL, GRW, 190 & 191

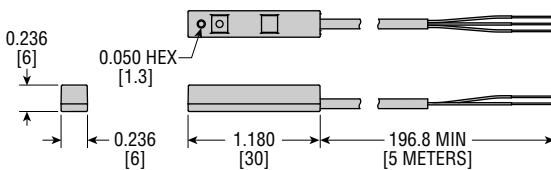
SERIES 5580 SWITCH: REPLACEMENT KITS

SPECIFICATIONS

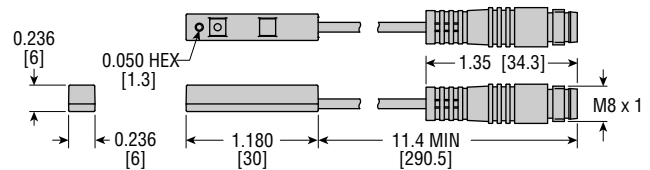
SENSING/TECHNOLOGY TYPE	SOLID STATE		REED
	55803 & 55823	55804 & 55824	55802 & 55822
SWITCH KIT NO.	55803 & 55823	55804 & 55824	55802 & 55822
OUTPUT TYPE	NPN (Sink)	PNP (Source)	NPN or PNP
MAGNET SENSING ORIENTATION	Radial		Axial
INPUT VOLTAGE	10 to 30 VDC		4.5 to 30 VDC
CURRENT RATING	100 mA Max.		75 mA Max.
SWITCH BURDEN	≤ 8 mA		< 7 mA
VOLTAGE DROP	≤ 2.5 VDC		—
CONTACT RESISTANCE	—		150 mOhm Max.
ENVIRONMENTAL	IP67		IP67
OPERATING TEMPERATURE	-30° to 80° C		-25° to 75° C

DIMENSIONS

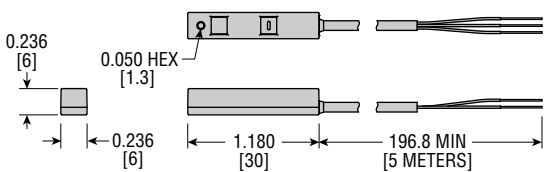
55803-1-02 & 55804-1-02



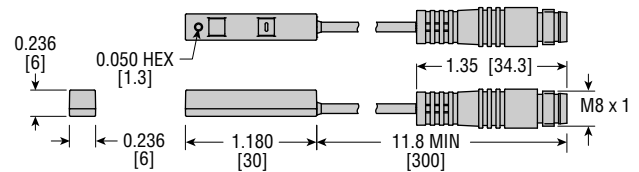
55823-1 & 55824-1



55802-1-02



55822-1

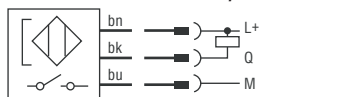


All dimensions are reference only unless specifically tolerated.

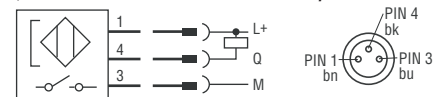
WIRING SCHEMATICS

SWITCH KIT NO. 55803/55823 - SINK - NPN
INPUT - 10-30 VDC
LOAD CURRENT - 100 mA MAX.

CABLED MODEL 55803 / JC1HDN-5

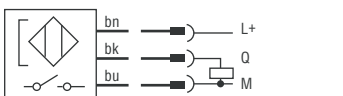


QUICK CONNECT MODEL 55823 / JC1HDN-K

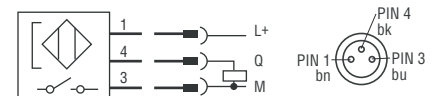


SWITCH KIT NO. 55804/55824 - SOURCE - PNP
INPUT - 10-30 VDC
LOAD CURRENT - 100 mA MAX.

CABLED MODEL 55804 / JC1HDP-5

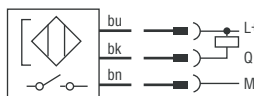


QUICK CONNECT MODEL 55824 / JC1HDP-K

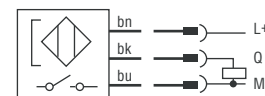


SWITCH KIT NO. 55802/55822
INPUT - 4.5-30 VDC
LOAD CURRENT - 75 mA MAX.

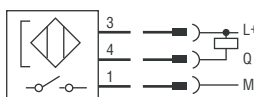
CABLED MODEL 55802 / JC1RDU-5 NPN (SINK) CIRCUIT



PNP (SOURCE) CIRCUIT



QUICK CONNECT MODEL 55822 / JC1RDU-K NPN (SINK) CIRCUIT



PNP (SOURCE) CIRCUIT

