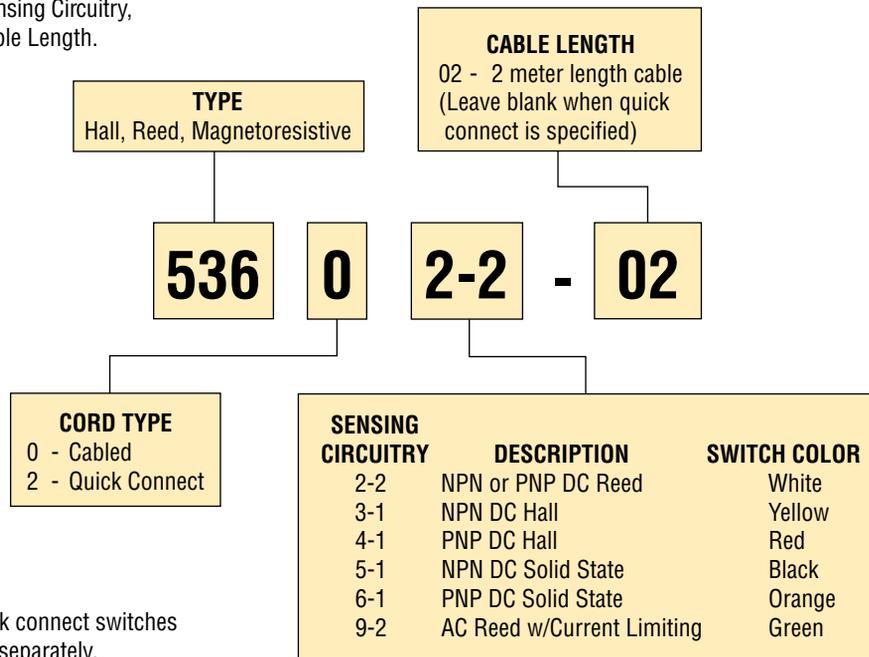


ORDERING DATA: SERIES 5360 PROXIMITY SWITCHES

TO ORDER SPECIFY:

Type, Cord Type, Sensing Circuitry, Design No., and Cable Length.



NOTES:

- 1) Cordsets for quick connect switches must be ordered separately.
- 2) Other cable lengths available. Consult PHD.

CORDETS WITH QUICK CONNECT

PART NO.	LENGTH
63549-02	2 meter
63549-05	5 meter

BENEFITS: SERIES 5360 HALL EFFECT SWITCHES

BENEFITS



- Series 5360 Hall Effect Switches are available for use on selected PHD products, making it easy to interface these actuators with various electronic controls.
- Switches have no moving parts or mechanical contacts, providing long switch life and elimination of contact bounce.
- Constant amplitude output is provided for use with most digital logic systems.
- Low profile integral clamp mounting is easy to adjust over the entire piston travel of the cylinder or actuator.
- Several switches may be mounted to control or initiate any sequence or function.
- Dual LED indicators provide convenient means for positioning and troubleshooting circuits. Green LED shows that power is being received at the switch and amber shows when the switch output is on.
- Available in a Quick Connect model for easy installation and maintenance.

Series 5360 Hall Effect Switches are designed specifically to provide an input signal to various types of programmable controllers or logic systems. Since Hall Effect Switches are solid-state, there are no moving parts to wear out. They offer an infinite number of trouble-free operations. Hall Effect Switches operate on DC current only.



SPECIFICATIONS	53603 & 53623	53604 & 53624
OPERATING PRINCIPLE	Hall Effect	
ACTUATED BY	Moving Magnet	
INPUT VOLTAGE	4.5 to 24 VDC	
OUTPUT TYPE	NPN (Sink)	PNP (Source)
CURRENT RATING	20 mA. Max.	100 mA. Max.
VOLTAGE DROP	.5 VDC Max.	
SWITCH BURDEN	12 mA. Max.	
ENVIRONMENTAL	IP67	
OPERATING TEMP.	0° to 80°C	

HALL EFFECT WIRING SCHEMATICS

MODEL NO. 53603 & 53623 - NPN (SINK)

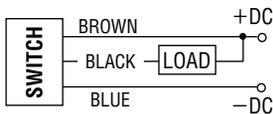
INPUT - 4.5-24 VDC

LOAD CURRENT - 20 mA. MAX.

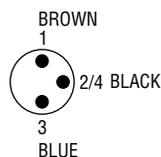
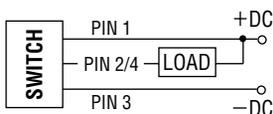
SWITCH HOUSING COLOR - YELLOW

(LED's have been omitted from the schematic for clarity.)

CABLED MODEL 53603



QUICK CONNECT MODEL 53623



MODEL NO. 53604 & 53624 - PNP (SOURCE)

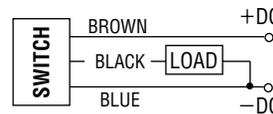
INPUT - 4.5-24 VDC

LOAD CURRENT - 100 mA. MAX.

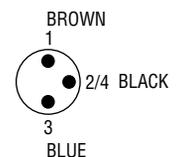
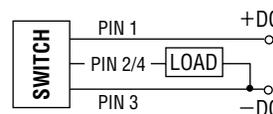
SWITCH HOUSING COLOR - RED

(LED's have been omitted from the schematic for clarity.)

CABLED MODEL 53604



QUICK CONNECT MODEL 53624



BENEFITS: SERIES 5360 SOLID STATE SWITCHES

BENEFITS



- Series 5360 Solid State Switches are available for use on selected PHD products, making it easy to interface these actuators with various electronic controls.
- Switches are solid state, having no moving parts or mechanical contacts, providing long switch life and elimination of contact bounce.
- Transient voltage protection.
- Constant amplitude output is provided for use with most digital logic systems.
- Reverse polarity protection.
- Low profile integral clamp mounting is easy to adjust over the entire piston travel of the cylinder or actuator.
- Several switches may be mounted to control or initiate any sequence or function.
- Dual LED indicators provide convenient means for positioning and troubleshooting circuits. Green LED shows that power is being received at the switch and amber shows when the switch output is on.
- Available in a Quick Connect model for easy installation and maintenance.

Series 5360 Solid State Switches are designed specifically to provide an input signal to various types of programmable controllers or logic systems. Since Solid State Switches have no moving parts to wear out, they offer an infinite number of trouble-free operations. Solid State Switches operate on DC current only.



SPECIFICATIONS	53605 & 53625	53606 & 53626
OPERATING PRINCIPLE	Solid State	
ACTUATED BY	Moving Magnet	
INPUT VOLTAGE	6 to 24 VDC Max.	
OUTPUT TYPE	NPN (Sink)	PNP (Source)
CURRENT RATING	20 mA. Max.	100 mA. Max.
VOLTAGE DROP	.5 VDC Max.	
SWITCH BURDEN	12 mA. Max.	
ENVIRONMENTAL	IP67	
OPERATING TEMP.	0° to 80°C	

SOLID STATE WIRING SCHEMATICS

MODEL NO. 53605 & 53625 - NPN (SINK)

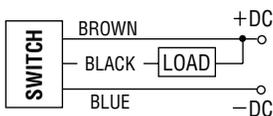
INPUT - 6-24 VDC

LOAD CURRENT - 20 mA. MAX.

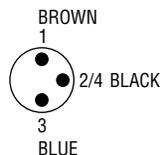
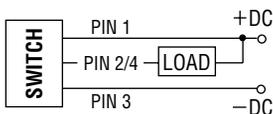
SWITCH HOUSING COLOR - BLACK

(LED's have been omitted from the schematic for clarity.)

CABLED MODEL 53605



QUICK CONNECT MODEL 53625



MODEL NO. 53606 & 53626 - PNP (SOURCE)

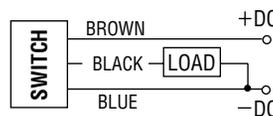
INPUT - 6-24 VDC

LOAD CURRENT - 100 mA. MAX.

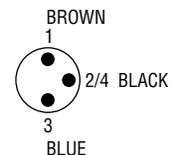
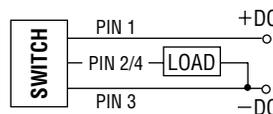
SWITCH HOUSING COLOR - ORANGE

(LED's have been omitted from the schematic for clarity.)

CABLED MODEL 53606

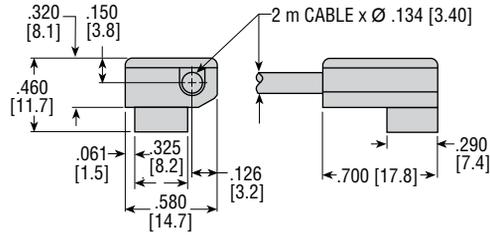


QUICK CONNECT MODEL 53626

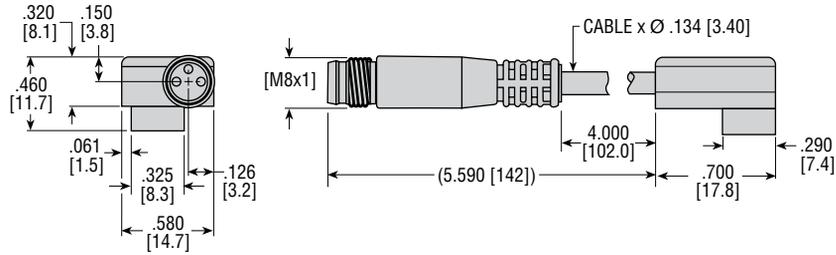


DIMENSIONS: SERIES 5360 HALL/SOLID STATE SWITCHES

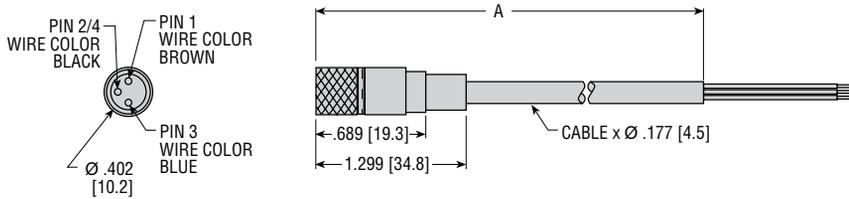
HALL EFFECT AND SOLID STATE SWITCH



HALL EFFECT AND SOLID STATE SWITCH WITH MALE QUICK CONNECT



63549-xx CORDSET WITH FEMALE QUICK CONNECT



MODEL NO.	LETTER DIM.
	A
63549-02	78.74 [2 m]
63549-05	196.85 [5 m]

NUMBERS IN [] ARE IN mm—IMPERIAL EQUIVALENTS ARE PROVIDED FOR CONVENIENCE

BENEFITS: SERIES 5360 REED SWITCHES

BENEFITS



- Series 5360 Reed Switches are available for use on selected PHD products, making it easy to interface these actuators with various electronic controls.
- Low profile integral clamp mounting is easy to adjust over the entire piston travel of the cylinder or actuator.
- Several switches may be mounted to control or initiate any sequence or function.
- An LED indicator provides convenient means for positioning and troubleshooting circuits.
- Available in a Quick Connect model for easy installation and maintenance.
- Special current limit model available for AC applications where inrush might otherwise damage the switch.

Series 5360 Reed Switches are available in either AC or DC models. They are ideal for use as inputs for many types of sequencers and programmable controllers. In some cases, they can be used to drive some relays or valve solenoids. However, electrical transients (inrush currents or line spikes) associated with inductive or capacitive loads can damage and shorten the life of the switch.

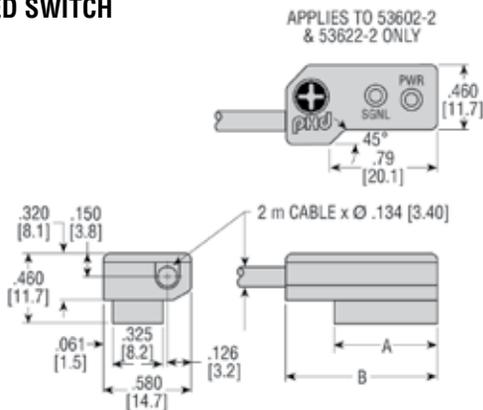


SPECIFICATIONS	53609-2*	
	53602-2 & 53622-2	& 53629-2*
OPERATING PRINCIPLE	Magnetic Reed	
ACTUATED BY	Moving Magnet	
INPUT VOLTAGE	4.5 to 24 VDC	110 to 120 VAC
OUTPUT TYPE	Contact Closure	
POWER CAPACITY	4 Watt Max.	2.5 Watt Max.
CURRENT RATING	200 mA. Max.	Inter. Limited to 20 mA.
CONTACT RESISTANCE	.200 Ohms Max.	1.5 kOhm
ENVIRONMENTAL	IP67	
OPERATING TEMP.	0° to 80°C	

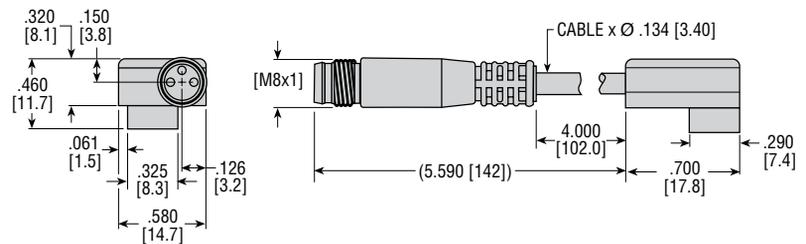
* CE certification not applicable to these switch models.

DIMENSIONS: SERIES 5360 REED SWITCHES

REED SWITCH



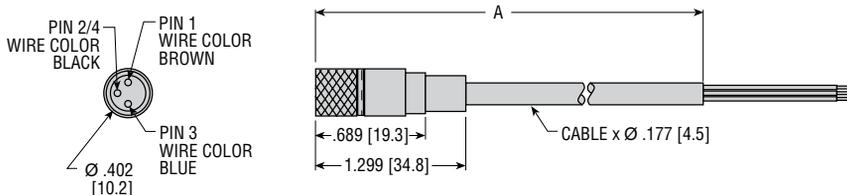
REED SWITCH WITH MALE QUICK CONNECT



MODEL NO.	LETTER DIM.	
	A	B
53602-2 & 53622-2	.685 [17.4]	1.090 [27.7]
53609-2 & 53629-2	.895 [22.7]	1.300 [33]

NUMBERS IN [] ARE IN mm – IMPERIAL EQUIVALENTS ARE PROVIDED FOR CONVENIENCE

63549-xx CORDSET WITH FEMALE QUICK CONNECT



MODEL NO.	LETTER DIM.
	A
63549-02	78.74 [2 m]
63549-05	196.85 [5 m]

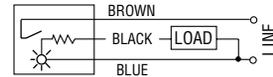
NUMBERS IN [] ARE IN mm – IMPERIAL EQUIVALENTS ARE PROVIDED FOR CONVENIENCE

All dimensions are reference only unless specifically tolerated.

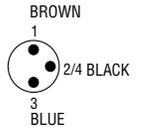
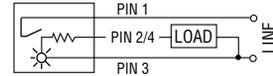
REED WIRING SCHEMATICS

MODEL NO. 53609-2 & 53629-2
INPUT - 110-120 VAC
SWITCHED POWER - 2.5 WATT MAX.
INTERNAL RESISTANCE - 1.5 kOhm
SWITCH HOUSING COLOR - GREEN

CABLED MODEL 53609-2



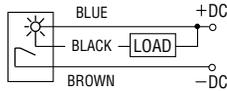
QUICK CONNECT MODEL 53629-2



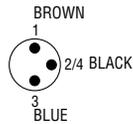
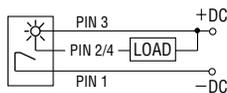
MODEL NO. 53602-2 & 53622-2 - NPN (SINK) OR PNP (SOURCE)
INPUT - 4.5-24 VDC
POWER CAPACITY - 4 WATT MAX.
LOAD CURRENT - 200 mA. MAX.

SWITCH HOUSING COLOR - WHITE
 (Bi-polar LED emits a green light in the Sinking circuit and a red light in the Sourcing circuit.)

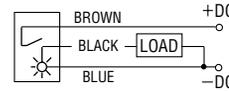
CABLED MODEL 53602-2 - NPN (SINK)



QUICK CONNECT MODEL 53622-2 - NPN (SINK)



CABLED MODEL 53602-2 - PNP (SOURCE)



QUICK CONNECT MODEL 53622-2 - PNP (SOURCE)

