

Sensors

Standard Limit Sensors

- Low Cost and Compact® size
- Dual LED indicators for power and signal
- Circuit protection for surge and polarity
- High-flex robotic grade cable with 4,8mm (3/16") bend radius. 105 strand primaries.
- CE compliant / IP67 and NEMA 6P rated
- 100% solid state device for maximum life
- 3 cord options

(Shown with Quick Disconnect Option)



3 Prong Plug

#WSKLP, #WSCLP, #WSKLPS, #WSCLPS

NOTE: This universal sensor is used for all Compact cylinders, inch or metric. Inch and metric sold separately, not installed.

Part No.	Sensor Type (Wiring diagrams and definitions on page 88)	Cord Types		
		Quick Disconnect	1 Meter	3 Meter
Sinking	WSKL		✓	
	WSKLP	✓*		
	WSKL-3			✓
	WSKLPS	✓*		
Sourcing	WSCL		✓	
	WSCLP	✓*		
	WSCL-3			✓
	WSCLPS	✓*		

*Mating 3 socket receptacle available, part # R3
"3" denotes 3 meter cable

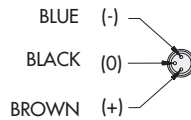
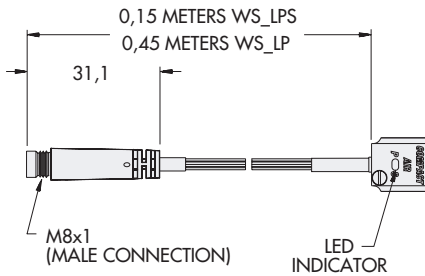
WS_LP

WS_LPS

Optional Quick Disconnect Sensor Cable with threaded, sealed connectors

Part Number - Specify **K** or **C**

Plug - 3 Prong



3 Socket Mating Cable

For use with:

#WSKLP, #WSCLP, #WSKLPS, #WSCLPS,



Sold Separately

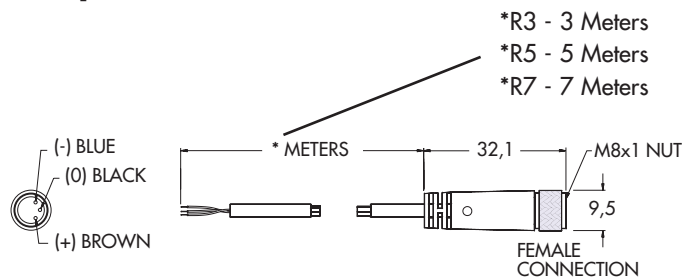
Part Number

R3

R5

R7

Receptacle - 3 Socket



Sensors

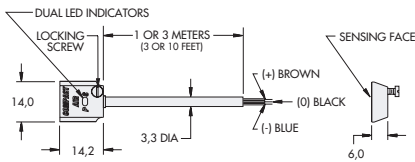
Comtronic® Sensors Dimensional Information

Must specify 'K' (sinking) or 'C' (sourcing) when ordering

Part Number - Specify K or C

WS_L WS_L-3

"3" denotes 3 meter cable



Part No. **WSKL-3** - Sinking output with 3 meter cable.

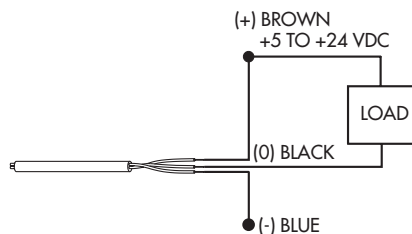


Specifications		
Parameters	Comtronic® Standard Limit Sensors	
	NPN (sinking)	PNP (sourcing)
Part Number	WSKL, WSKL-3, WSKLP, WSKLPS	WSCL, WSCL-3, WSCLP, WSCLPS
Operating Voltage	5-24 VDC	
Current Consumption		
On	16mA (at 24V)	14mA (at 24V)
Off	7mA (at 24V)	7mA (at 24V)
Switching Current	100mA Max	
Voltage Drop	1.5 V Max @ 100mA	
Operating Frequency	1 KHz Max	
Switch Logic	Sinking, Normally Open	Sourcing, Normally Open
LED Function		
Green	Power On	
Red	Switch Active (Magnet Present)	
Operating Temperature	0°C to 70°C	
Circuit Protection	Reverse Polarity / Surge Absorber	
Environmental Certifications	IEC standard IP67, NEMA 6P	
Wire Type	High flex, 24 AWG / 105 strand primary	
Housing Material	Zinc diecast	
Housing Color Code	Black	Silver
Shock Resistance	30G Max	
Vibration Strength	9G Max	

Wiring Diagrams and Definitions

For units with flying leads

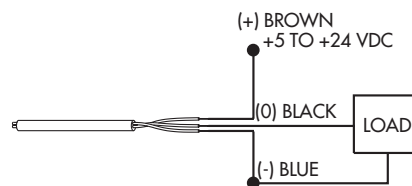
NPN Output Sinking (K)



- Ideal for complex controls utilizing multiple power supplies.

A "sinking" output sensor complete a circuit by connecting the load to ground. Sinking output sensors in a sequence can have different supply voltages. The ground is their common factor.

PNP Output Sourcing (C)



- Ideal for single power supply applications.

A "sourcing" output sensor completes a circuit by connecting the load to the supply current. All sourcing output sensors must have the same supply voltage.