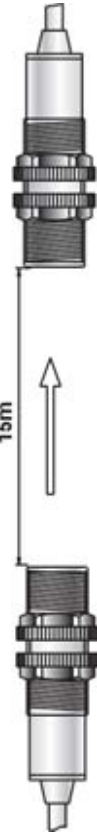


Thru-beam Mode (Plastic Housing)

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number
Infrared LED  15m Thru-beam Mode Sensing Distance: 15m	 Cable CE	10-30V DC	Emitter	M18P-T015MD-EX9C3L2
			NPN Light/dark changeover	M18P-T015MN-CX9C4U2
			PNP Light/dark changeover	M18P-T015MP-CX9C4U2
	 Quick Disconnect CE	10-30V DC	Emitter	M18P-T015MD-EX9Q4LE
			NPN Light/dark changeover	M18P-T015MN-CX9Q4UE
			PNP Light/dark changeover	M18P-T015MP-CX9Q4UE
	 Euro 4 Pins 6" Pig tail CE	10-30V DC	Emitter	M18P-T015MD-EX9P4LE
			NPN Light/dark changeover	M18P-T015MN-CX9P4UE
			PNP Light/dark changeover	M18P-T015MP-CX9P4UE
	 Cable CE	10-30V DC	Emitter	M18P-T015MD-EZ9C3L2
			NPN Light/dark changeover	M18P-T015MN-CZ9C4U2
			PNP Light/dark changeover	M18P-T015MP-CZ9C4U2
	 Quick Disconnect CE	10-30V DC	Emitter	M18P-T015MD-EZ9Q4LE
			NPN Light/dark changeover	M18P-T015MN-CZ9Q4LE
			PNP Light/dark changeover	M18P-T015MP-CZ9Q4LE
	 Euro 4 Pins 6" Pig tail CE	10-30V DC	Emitter	M18P-T015MD-EZ9P4LE
			NPN Light/dark changeover	M18P-T015MN-CZ9P4UE
			PNP Light/dark changeover	M18P-T015MP-CZ9P4UE

Thru-beam Mode (Plastic Housing)

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number
Infrared LED  15m  Thru-beam Mode Sensing Distance: 15m	 Cable Right-Angle 	10-30V DC	Emitter	M18P-T015MD-EY9C3L2-Y
			NPN Light/dark changeover	M18P-T015MN-CY9C4U2-Y
			PNP Light/dark changeover	M18P-T015MP-CY9C4U2-Y
	 Quick Disconnect Right-Angle 	10-30V DC	Emitter	M18P-T015MD-EY9Q4LE-Y
			NPN Light/dark changeover	M18P-T015MN-CY9Q4UE-Y
			PNP Light/dark changeover	M18P-T015MP-CY9Q4UE-Y
	 Euro 4 Pins 6 " Pig tail Right-Angle 	10-30V DC	Emitter	M18P-T015MD-EY9P4LE-Y
			NPN Light/dark changeover	M18P-T015MN-CY9P4UE-Y
			PNP Light/dark changeover	M18P-T015MP-CY9P4UE-Y

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Thru-beam Mode (Brass Housing)

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number
 Infrared LED 15m Thru-beam Mode Sensing Distance: 15m	 Cable 	10-30V DC	Emitter	M18B-T015MD-EX9C3L2
			NPN Light/dark changeover	M18B-T015MN-CX9C4U2
			PNP Light/dark changeover	M18B-T015MP-CX9C4U2
	 Quick Disconnect 	10-30V DC	Emitter	M18B-T015MD-EX9Q4LE
			NPN Light/dark changeover	M18B-T015MN-CX9Q4UE
			PNP Light/dark changeover	M18B-T015MP-CX9Q4UE
	 Euro 4 Pins 6" Pig tail 	10-30V DC	Emitter	M18B-T015MD-EX9P4LE
			NPN Light/dark changeover	M18B-T015MN-CX9P4UE
			PNP Light/dark changeover	M18B-T015MP-CX9P4UE
	 Cable Right-Angle 	10-30V DC	Emitter	M18B-T015MD-EY9C3L2-Y
			NPN Light/dark changeover	M18B-T015MN-CY9C4U2-Y
			PNP Light/dark changeover	M18B-T015MP-CY9C4U2-Y
	 Quick Disconnect Right-Angle 	10-30V DC	Emitter	M18B-T015MD-EY9Q4LE-Y
			NPN Light/dark changeover	M18B-T015MN-CY9Q4UE-Y
			PNP Light/dark changeover	M18B-T015MP-CY9Q4UE-Y
	 Euro 4 Pins 6" Pig tail Right-Angle 	10-30V DC	Emitter	M18B-T015MD-EY9P4LE-Y
			NPN Light/dark changeover	M18B-T015MN-CY9P4UE-Y
			PNP Light/dark changeover	M18B-T015MP-CY9P4UE-Y

Thru-beam Mode (Plastic Housing)

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number
Infrared LED  15m  Thru-beam Mode Sensing Distance: 15m	 Cable	20-250V AC	Emitter (2-wire)	M18P-T015MA-EX9C2L2
			Light-ON (2-wire)	M18P-T015MA-LX9C2U2
			Dark-ON (2-wire)	M18P-T015MA-DX9C2U2
			Light-ON (3-wire)	M18P-T015MA-LX9C3U2
			Dark-ON (3-wire)	M18P-T015MA-DX9C3U2
	 Quick Disconnect	20-250V AC	Emitter (2-wire)	M18P-T015MA-EX9Q4LM
			Light-ON (2-wire)	M18P-T015MA-LX9Q4/2UM
			Dark-ON (2-wire)	M18P-T015MA-DX9Q4/2UM
			Light-ON (3-wire)	M18P-T015MA-LX9Q4UM
			Dark-ON (3-wire)	M18P-T015MA-DX9Q4UM
	 Micro 4 Pins 6 " Pig tail	20-250V AC	Emitter (2-wire)	M18P-T015MA-EX9P4LM
			Light-ON (2-wire)	M18P-T015MA-LX9P4/2UM
			Dark-ON (2-wire)	M18P-T015MA-DX9P4/2UM
			Light-ON (3-wire)	M18P-T015MA-LX9P4UM
			Dark-ON (3-wire)	M18P-T015MA-DX9P4UM
	 Cable	20-250V AC	Emitter (2-wire)	M18P-T015MA-EZ9C2L2
			Light-ON (2-wire)	M18P-T015MA-LZ9C2U2
			Dark-ON (2-wire)	M18P-T015MA-DZ9C2U2
			Light-ON (3-wire)	M18P-T015MA-LZ9C3U2
			Dark-ON (3-wire)	M18P-T015MA-DZ9C3U2
	 Quick Disconnect	20-250V AC	Emitter (2-wire)	M18P-T015MA-EZ9Q4LM
			Light-ON (2-wire)	M18P-T015MA-LZ9Q4/2UM
			Dark-ON (2-wire)	M18P-T015MA-DZ9Q4/2UM
			Light-ON (3-wire)	M18P-T015MA-LZ9Q4UM
			Dark-ON (3-wire)	M18P-T015MA-DZ9Q4UM
	 Micro 4 Pins 6 " Pig tail	20-250V AC	Emitter (2-wire)	M18P-T015MA-EZ9P4LM
			Light-ON (2-wire)	M18P-T015MA-LZ9P4/2UM
			Dark-ON (2-wire)	M18P-T015MA-DZ9P4/2UM
			Light-ON (3-wire)	M18P-T015MA-LZ9P4UM
			Dark-ON (3-wire)	M18P-T015MA-DZ9P4UM

Thru-beam Mode (Plastic Housing)

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number
Infrared LED  15m Thru-beam Mode Sensing Distance: 15m	 Cable Right Angle	20-250V AC	Emitter (2-wire)	M18P-T015MA-EY9C2L2-Y
			Light-ON (2-wire)	M18P-T015MA-LY9C2U2-Y
			Dark-ON (2-wire)	M18P-T015MA-DY9C2U2-Y
			Light-ON (3-wire)	M18P-T015MA-LY9C3U2-Y
			Dark-ON (3-wire)	M18P-T015MA-DY9C3U2-Y
	 Quick Disconnect Right-Angle	20-250V AC	Emitter (2-wire)	M18P-T015MA-EY9Q4LM-Y
			Light-ON (2-wire)	M18P-T015MA-LY9Q4/2UM-Y
			Dark-ON (2-wire)	M18P-T015MA-DY9Q4/2UM-Y
			Light-ON (3-wire)	M18P-T015MA-LY9Q4UM-Y
			Dark-ON (3-wire)	M18P-T015MA-DY9Q4UM-Y
	 Micro 4 Pins 6" Pig tail Right-Angle	20-250V AC	Emitter (2-wire)	M18P-T015MA-EY9P4LM-Y
			Light-ON (2-wire)	M18P-T015MA-LY9P4/2UM-Y
			Dark-ON (2-wire)	M18P-T015MA-DY9P4/2UM-Y
			Light-ON (3-wire)	M18P-T015MA-LY9P4UM-Y
			Dark-ON (3-wire)	M18P-T015MA-DY9P4UM-Y

Thru-beam Mode (Plastic Housing)

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number	
Infrared LED  15m  Thru-beam Mode Sensing Distance: 15m	 Cable Right Angle	12-240V DC/ 24-240V AC	Emitter (2-wire)	M18P-T015MC-EY9C2L2-Y	
	 Quick Disconnect Right-Angle		Light-ON (2-wire)	M18P-T015MC-LY9C2U2-Y	
			Dark-ON (2-wire)	M18P-T015MC-DY9C2U2-Y	
	 Micro4 Pins 6 " Pig tail Right-Angle	12-240V DC/ 24-240V AC	Emitter (2-wire)	M18P-T015MC-EY9P4LM-Y	
			Light-ON (2-wire)	M18P-T015MC-LY9P4UM-Y	
			Dark-ON (2-wire)	M18P-T015MC-DY9P4UM-Y	

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Thru-beam Mode (Brass Housing)

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number
Infrared LED	 Cable	12-240V DC/ 24-240V AC	Emitter (2-wire)	M18B-T015MC-EX9C2L2
			Light-ON (2-wire)	M18B-T015MC-LX9C2U2
			Dark-ON (2-wire)	M18B-T015MC-DX9C2U2
	 Quick Disconnect	12-240V DC/ 24-240V AC	Emitter (2-wire)	M18B-T015MC-EX9Q4LM
			Light-ON (2-wire)	M18B-T015MC-LX9Q4UM
			Dark-ON (2-wire)	M18B-T015MC-DX9Q4UM
 Micro 4 Pins 6" Pig tail	12-240V DC/ 24-240V AC	Emitter (2-wire)	M18B-T015MC-EX9P4LM	
		Light-ON (2-wire)	M18B-T015MC-LX9P4UM	
		Dark-ON (2-wire)	M18B-T015MC-DX9P4UM	
Thru-beam Mode Sensing Distance: 15m	 Cable Right-Angle	12-240V DC/ 24-240V AC	Emitter (2-wire)	M18B-T015MC-EY9C2L2-Y
			Light-ON (2-wire)	M18B-T015MC-LY9C2U2-Y
			Dark-ON (2-wire)	M18B-T015MC-DY9C2U2-Y
	 Quick Disconnect Right-Angle	12-240V DC/ 24-240V AC	Emitter (2-wire)	M18B-T015MC-EY9Q4LM-Y
			Light-ON (2-wire)	M18B-T015MC-LY9Q4UM-Y
			Dark-ON (2-wire)	M18B-T015MC-DY9Q4UM-Y
	 Micro 4 Pins 6" Pig tail Right-Angle	12-240V DC/ 24-240V AC	Emitter (2-wire)	M18B-T015MC-EY9P4LM-Y
			Light-ON (2-wire)	M18B-T015MC-LY9P4UM-Y
			Dark-ON (2-wire)	M18B-T015MC-DY9P4UM-Y

Thru-beam Mode (Brass Housing)

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number
Infrared LED  15m Thru-beam Mode Sensing Distance: 15m	 Cable CE	20-250V AC	Emitter (2-wire)	M18B-T015MA-EX9C2L2
			Light-ON (2-wire)	M18B-T015MA-LX9C2U2
			Dark-ON (2-wire)	M18B-T015MA-DX9C2U2
			Light-ON (3-wire)	M18B-T015MA-LX9C3U2
			Dark-ON (3-wire)	M18B-T015MA-DX9C3U2
	 Quick Disconnect CE	20-250V AC	Emitter (2-wire)	M18B-T015MA-EX9Q4LM
			Light-ON (2-wire)	M18B-T015MA-LX9Q4/2UM
			Dark-ON (2-wire)	M18B-T015MA-DX9Q4/2UM
			Light-ON (3-wire)	M18B-T015MA-LX9Q4UM
			Dark-ON (3-wire)	M18B-T015MA-DX9Q4UM
	 Micro 4 Pins 6" Pig tail CE	20-250V AC	Emitter (2-wire)	M18B-T015MA-EX9P4LM
			Light-ON (2-wire)	M18B-T015MA-LX9P4/2UM
			Dark-ON (2-wire)	M18B-T015MA-DX9P4/2UM
			Light-ON (3-wire)	M18B-T015MA-LX9P4UM
			Dark-ON (3-wire)	M18B-T015MA-DX9P4UM
	 Cable Right-Angle CE	20-250V AC	Emitter (2-wire)	M18B-T015MA-EY9C2L2-Y
			Light-ON (2-wire)	M18B-T015MA-LY9C2U2-Y
			Dark-ON (2-wire)	M18B-T015MA-DY9C2U2-Y
			Light-ON (3-wire)	M18B-T015MA-LY9C3U2-Y
			Dark-ON (3-wire)	M18B-T015MA-DY9C3U2-Y
	 Quick Disconnect Right-Angle CE	20-250V AC	Emitter (2-wire)	M18B-T015MA-EY9Q4LM-Y
			Light-ON (2-wire)	M18B-T015MA-LY9Q4/2UM-Y
			Dark-ON (2-wire)	M18B-T015MA-DY9Q4/2UM-Y
			Light-ON (3-wire)	M18B-T015MA-LY9Q4UM-Y
			Dark-ON (3-wire)	M18B-T015MA-DY9Q4UM-Y
	 Micro 4 Pins 6" Pig tail Right-Angle CE	20-250V AC	Emitter (2-wire)	M18B-T015MA-EY9P4LM-Y
			Light-ON (2-wire)	M18B-T015MA-LY9P4/2UM-Y
			Dark-ON (2-wire)	M18B-T015MA-DY9P4/2UM-Y
			Light-ON (3-wire)	M18B-T015MA-LY9P4UM-Y
			Dark-ON (3-wire)	M18B-T015MA-DY9P4UM-Y

Diffuse Mode (Plastic Housing)

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number	
Infrared LED  500mm Diffuse Mode Sensing Distance: 500mm	 Cable CE	10-30V DC	NPN Light/Dark changeover	M18P-D0500N-CX9C4U2	
			PNP Light/Dark changeover	M18P-D0500P-CX9C4U2	
			—	—	
	 Quick Disconnect CE	10-30V DC	NPN Light/Dark changeover	M18P-D0500N-CX9Q4UE	
			PNP Light/Dark changeover	M18P-D0500P-CX9Q4UE	
			—	—	
	 Euro 4 Pins 6 "Pig tail" CE	10-30V DC	NPN Light/Dark changeover	M18P-D0500N-CX9P4UE	
			PNP Light/Dark changeover	M18P-D0500P-CX9P4UE	
			—	—	
	 Cable CE	10-30V DC	NPN Light/Dark changeover	M18P-D0500N-CZ9C4U2	
			PNP Light/Dark changeover	M18P-D0500P-CZ9C4U2	
			—	—	
 Quick Disconnect CE	10-30V DC	NPN Light/Dark changeover	M18P-D0500N-CZ9Q4UE		
		PNP Light/Dark changeover	M18P-D0500P-CZ9Q4UE		
		—	—		
 Euro 4 Pins 6 "Pig tail" CE	10-30V DC	NPN Light/Dark changeover	M18P-D0500N-CZ9P4UE		
		PNP Light/Dark changeover	M18P-D0500P-CZ9P4UE		
		—	—		

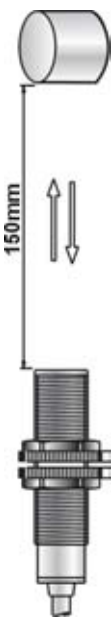
Diffuse Mode (Plastic Housing)

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number
Infrared LED  500mm   Diffuse Mode Sensing Distance: 500mm	 Cable Right-Angle CE	10-30V DC	NPN Light/Dark changeover	M18P-D0500N-CY9C4U2-Y
			PNP Light/Dark changeover	M18P-D0500P-CY9C4U2-Y
			—	—
	 Quick Disconnect Right-Angle CE	10-30V DC	NPN Light/Dark changeover	M18P-D0500N-CY9Q4UE-Y
			PNP Light/Dark changeover	M18P-D0500P-CY9Q4UE-Y
			—	—
	 Euro 4 Pins 6 " Pig tail Right-Angle CE	10-30V DC	NPN Light/Dark changeover	M18P-D0500N-CY9P4UE-Y
			PNP Light/Dark changeover	M18P-D0500P-CY9P4UE-Y
			—	—

Diffuse Mode (Brass Housing)

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number	
Infrared LED  500mm   Diffuse Mode Sensing Distance: 500mm	 Cable 	10-30V DC	NPN Light/Dark changeover	M18B-D0500N-CX9C4U2	
	 Quick Disconnect 		PNP Light/Dark changeover	M18B-D0500P-CX9C4U2	
			—	—	
	 Euro 4 Pins 6 " Pig tail 	10-30V DC	NPN Light/Dark changeover	M18B-D0500N-CX9P4UE	
			PNP Light/Dark changeover	M18B-D0500P-CX9P4UE	
			—	—	
	 Cable Right-Angle 	10-30V DC	NPN Light/Dark changeover	M18B-D0500N-CY9C4U2-Y	
			PNP Light/Dark changeover	M18B-D0500P-CY9C4U2-Y	
			—	—	
 Quick Disconnect Right-Angle 		10-30V DC	NPN Light/Dark changeover	M18B-D0500N-CY9Q4UE-Y	
			PNP Light/Dark changeover	M18B-D0500P-CY9Q4UE-Y	
			—	—	
 Euro 4 Pins 6 " Pig tail Right-Angle 	10-30V DC	NPN Light/Dark changeover	M18B-D0500N-CY9P4UE-Y		
		PNP Light/Dark changeover	M18B-D0500P-CY9P4UE-Y		
		—	—		

Diffuse Mode (Plastic Housing)

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number
Infrared LED  150mm Diffuse Mode Sensing Distance: 150mm	 Cable CE	10-30V DC	NPN Light/Dark changeover	M18P-D0150N-CX9C4U2
			PNP Light/Dark changeover	M18P-D0150P-CX9C4U2
			—	—
	 Quick Disconnect CE	10-30V DC	NPN Light/Dark changeover	M18P-D0150N-CX9Q4UE
			PNP Light/Dark changeover	M18P-D0150P-CX9Q4UE
			—	—
	 Euro 4 Pins 6" Pig tail CE	10-30V DC	NPN Light/Dark changeover	M18P-D0150N-CX9P4UE
			PNP Light/Dark changeover	M18P-D0150P-CX9P4UE
			—	—
	 Cable CE	10-30V DC	NPN Light/Dark changeover	M18P-D0150N-CZ9C4U2
			PNP Light/Dark changeover	M18P-D0150P-CZ9C4U2
			—	—
	 Quick Disconnect CE	10-30V DC	NPN Light/Dark changeover	M18P-D0150N-CZ9Q4UE
			PNP Light/Dark changeover	M18P-D0150P-CZ9Q4UE
			—	—
	 Euro 4 Pins 6" Pig tail CE	10-30V DC	NPN Light/Dark changeover	M18P-D0150N-CZ9P4UE
			PNP Light/Dark changeover	M18P-D0150P-CZ9P4UE
			—	—

Diffuse Mode (Plastic Housing)

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number
Infrared LED  150mm  Diffuse Mode Sensing Distance: 150mm	 Cable Right-Angle CE	10-30V DC	NPN Light/Dark changeover	M18P-D0150N-CY9C4U2-Y
			PNP Light/Dark changeover	M18P-D0150P-CY9C4U2-Y
			—	—
	 Quick Disconnect Right-Angle CE	10-30V DC	NPN Light/Dark changeover	M18P-D0150N-CY9Q4UE-Y
			PNP Light/Dark changeover	M18P-D0150P-CY9Q4UE-Y
			—	—
	 Euro 4 Pins 6 " Pig tail Right-Angle CE	10-30V DC	NPN Light/Dark changeover	M18P-D0150N-CY9P4UE-Y
			PNP Light/Dark changeover	M18P-D0150P-CY9P4UE-Y
			—	—

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Diffuse Mode (Brass Housing)

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number		
Infrared LED  150mm 	 Cable CE	10-30V DC	NPN Light/Dark changeover	M18B-D0150N-CX9C4U2		
	 Quick Disconnect CE		PNP Light/Dark changeover	M18B-D0150P-CX9C4U2		
			—	—		
	 Euro 4 Pins 6" Pig tail CE	10-30V DC	NPN Light/Dark changeover	M18B-D0150N-CX9P4UE		
			PNP Light/Dark changeover	M18B-D0150P-CX9P4UE		
			—	—		
	Diffuse Mode Sensing Distance: 150mm	 Cable Right-Angle CE	10-30V DC	NPN Light/Dark changeover	M18B-D0150N-CY9C4U2-Y	
		 Quick Disconnect Right-Angle CE		PNP Light/Dark changeover	M18B-D0150P-CY9C4U2-Y	
				—	—	
 Euro 4 Pins 6" Pig tail Right-Angle CE		10-30V DC	NPN Light/Dark changeover	M18B-D0150N-CY9P4UE-Y		
			PNP Light/Dark changeover	M18B-D0150P-CY9P4UE-Y		
			—	—		

Diffuse Mode (Plastic Housing)

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number
Infrared LED  500mm Diffuse Mode Sensing Distance: 500mm	 Cable CE	20-250V AC	Light-ON (2-wire)	M18P-D0500A-LX9C2U2
			Dark-ON (2-wire)	M18P-D0500A-DX9C2U2
			Light-ON (3-wire)	M18P-D0500A-LX9C3U2
			Dark-ON (3-wire)	M18P-D0500A-DX9C3U2
	 Quick Disconnect CE	20-250V AC	Light-ON (2-wire)	M18P-D0500A-LX9Q4/2UM
			Dark-ON (2-wire)	M18P-D0500A-DX9Q4/2UM
			Light-ON (3-wire)	M18P-D0500A-LX9Q4UM
			Dark-ON (3-wire)	M18P-D0500A-DX9Q4UM
	 Micro 4 Pins 6" Pig tail CE	20-250V AC	Light-ON (2-wire)	M18P-D0500A-LX9P4/2UM
			Dark-ON (2-wire)	M18P-D0500A-DX9P4/2UM
			Light-ON (3-wire)	M18P-D0500A-LX9P4UM
			Dark-ON (3-wire)	M18P-D0500A-DX9P4UM
	 Cable CE	20-250V AC	Light-ON (2-wire)	M18P-D0500A-LZ9C2U2
			Dark-ON (2-wire)	M18P-D0500A-DZ9C2U2
			Light-ON (3-wire)	M18P-D0500A-LZ9C3U2
			Dark-ON (3-wire)	M18P-D0500A-DZ9C3U2
	 Quick Disconnect CE	20-250V AC	Light-ON (2-wire)	M18P-D0500A-LZ9Q4/2UM
			Dark-ON (2-wire)	M18P-D0500A-DZ9Q4/2UM
			Light-ON (3-wire)	M18P-D0500A-LZ9Q4UM
			Dark-ON (3-wire)	M18P-D0500A-DZ9Q4UM
	 Micro 4 Pins 6" Pig tail CE	20-250V AC	Light-ON (2-wire)	M18P-D0500A-LZ9P4/2UM
			Dark-ON (2-wire)	M18P-D0500A-DZ9P4/2UM
			Light-ON (3-wire)	M18P-D0500A-LZ9P4UM
			Dark-ON (3-wire)	M18P-D0500A-DZ9P4UM

Retroreflective Mode (Plastic Housing)

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number
Infrared LED	 Cable	10-30V DC	NPN Light/Dark changeover	M18P-L3000N-CX9C4U2
			PNP Light/Dark changeover	M18P-L3000P-CX9C4U2
			—	—
	 Quick Disconnect	10-30V DC	NPN Light/Dark changeover	M18P-L3000N-CX9Q4UE
			PNP Light/Dark changeover	M18P-L3000P-CX9Q4UE
			—	—
	 Euro 4 Pins 6" Pig tail	10-30V DC	NPN Light/Dark changeover	M18P-L3000N-CX9P4UE
			PNP Light/Dark changeover	M18P-L3000P-CX9P4UE
			—	—
Retro-reflective Mode Sensing Distance: 3.0m	 Cable	10-30V DC	NPN Light/Dark changeover	M18P-L3000N-CZ9C4U2
			PNP Light/Dark changeover	M18P-L3000P-CZ9C4U2
			—	—
	 Quick Disconnect	10-30V DC	NPN Light/Dark changeover	M18P-L3000N-CZ9Q4UE
			PNP Light/Dark changeover	M18P-L3000P-CZ9Q4UE
			—	—
	 Euro 4 Pins 6" Pig tail	10-30V DC	NPN Light/Dark changeover	M18P-L3000N-CZ9P4UE
			PNP Light/Dark changeover	M18P-L3000P-CZ9P4UE
			—	—

Diffuse Mode (Plastic Housing)

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number
Infrared LED	 Cable Right-Angle 	20-250V AC	Light-ON (2-wire)	M18P-D0500A-LY9C2U2-Y
			Dark-ON (2-wire)	M18P-D0500A-DY9C2U2-Y
			Light-ON (3-wire)	M18P-D0500A-LY9C3U2-Y
			Dark-ON (3-wire)	M18P-D0500A-DY9C3U2-Y
	 Quick Disconnect Right-Angle 	20-250V AC	Light-ON (2-wire)	M18P-D0500A-LY9Q4/2UM-Y
			Dark-ON (2-wire)	M18P-D0500A-DY9Q4/2UM-Y
			Light-ON (3-wire)	M18P-D0500A-LY9Q4UM-Y
			Dark-ON (3-wire)	M18P-D0500A-DY9Q4UM-Y
	 Micro 4 Pins 6" Pig tail Right-Angle 	20-250V AC	Light-ON (2-wire)	M18P-D0500A-LY9P4/2UM-Y
			Dark-ON (2-wire)	M18P-D0500A-DY9P4/2UM-Y
			Light-ON (3-wire)	M18P-D0500A-LY9P4UM-Y
			Dark-ON (3-wire)	M18P-D0500A-DY9P4UM-Y
Diffuse Mode Sensing Distance: 500mm				

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Diffuse Mode (Brass Housing)

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number
Infrared Led  500mm Diffuse Mode Sensing Distance: 500mm	 Cable CE	20-250V AC	Light-ON (2-wire)	M18B-D0500A-LX9C2U2
			Dark-ON (2-wire)	M18B-D0500A-DX9C2U2
			Light-ON (3-wire)	M18B-D0500A-LX9C3U2
			Dark-ON (3-wire)	M18B-D0500A-DX9C3U2
	 Quick Disconnect CE	20-250V AC	Light-ON (2-wire)	M18B-D0500A-LX9Q4/2UM
			Dark-ON (2-wire)	M18B-D0500A-DX9Q4/2UM
			Light-ON (3-wire)	M18B-D0500A-LX9Q4UM
			Dark-ON (3-wire)	M18B-D0500A-DX9Q4UM
	 Micro 4 Pins 6" Pig tail CE	20-250V AC	Light-ON (2-wire)	M18B-D0500A-LX9P4/2UM
			Dark-ON (2-wire)	M18B-D0500A-DX9P4/2UM
			Light-ON (3-wire)	M18B-D0500A-LX9P4UM
			Dark-ON (3-wire)	M18B-D0500A-DX9P4UM
	 Cable Right-Angle CE	20-250V AC	Light-ON (2-wire)	M18B-D0500A-LY9C2U2-Y
			Dark-ON (2-wire)	M18B-D0500A-DY9C2U2-Y
			Light-ON (3-wire)	M18B-D0500A-LY9C3U2-Y
			Dark-ON (3-wire)	M18B-D0500A-DY9C3U2-Y
	 Quick Disconnect Right-Angle CE	20-250V AC	Light-ON (2-wire)	M18B-D0500A-LY9Q4/2UM-Y
			Dark-ON (2-wire)	M18B-D0500A-DY9Q4/2UM-Y
			Light-ON (3-wire)	M18B-D0500A-LY9Q4UM-Y
			Dark-ON (3-wire)	M18B-D0500A-DY9Q4UM-Y
	 Micro 4 Pins 6" Pig tail Right-Angle CE	20-250V AC	Light-ON (2-wire)	M18B-D0500A-LY9P4/2UM-Y
			Dark-ON (2-wire)	M18B-D0500A-DY9P4/2UM-Y
			Light-ON (3-wire)	M18B-D0500A-LY9P4UM-Y
			Dark-ON (3-wire)	M18B-D0500A-DY9P4UM-Y

Diffuse Mode (Plastic Housing)

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number
Infrared LED  Diffuse Mode Sensing Distance: 150mm	 Cable	20-250V AC	Light-ON (2-wire)	M18P-D0150A-LX9C2U2
			Dark-ON (2-wire)	M18P-D0150A-DX9C2U2
			Light-ON (3-wire)	M18P-D0150A-LX9C3U2
			Dark-ON (3-wire)	M18P-D0150A-DX9C3U2
	 Quick Disconnect	20-250V AC	Light-ON (2-wire)	M18P-D0150A-LX9Q4/2UM
			Dark-ON (2-wire)	M18P-D0150A-DX9Q4/2UM
			Light-ON (3-wire)	M18P-D0150A-LX9Q4UM
			Dark-ON (3-wire)	M18P-D0150A-DX9Q4UM
	 Micro 4 Pins 6" Pig tail	20-250V AC	Light-ON (2-wire)	M18P-D0150A-LX9P4/2UM
			Dark-ON (2-wire)	M18P-D0150A-DX9P4/2UM
			Light-ON (3-wire)	M18P-D0150A-LX9P4UM
			Dark-ON (3-wire)	M18P-D0150A-DX9P4UM
	 Cable	20-250V AC	Light-ON (2-wire)	M18P-D0150A-LZ9C2U2
			Dark-ON (2-wire)	M18P-D0150A-DZ9C2U2
			Light-ON (3-wire)	M18P-D0150A-LZ9C3U2
			Dark-ON (3-wire)	M18P-D0150A-DZ9C3U2
	 Quick Disconnect	20-250V AC	Light-ON (2-wire)	M18P-D0150A-LZ9Q4/2UM
			Dark-ON (2-wire)	M18P-D0150A-DZ9Q4/2UM
			Light-ON (3-wire)	M18P-D0150A-LZ9Q4UM
			Dark-ON (3-wire)	M18P-D0150A-DZ9Q4UM
	 Micro 4 Pins 6" Pig tail	20-250V AC	Light-ON (2-wire)	M18P-D0150A-LZ9P4/2UM
			Dark-ON (2-wire)	M18P-D0150A-DZ9P4/2UM
			Light-ON (3-wire)	M18P-D0150A-LZ9P4UM
			Dark-ON (3-wire)	M18P-D0150A-DZ9P4UM

Diffuse Mode (Plastic Housing)

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number
Infrared LED  150mm Diffuse Mode Sensing Distance: 150mm	 Cable Right-Angle 	20-250V AC	Light-ON (2-wire)	M18P-D0150A-LY9C2U2-Y
			Dark-ON (2-wire)	M18P-D0150A-DY9C2U2-Y
			Light-ON (3-wire)	M18P-D0150A-LY9C3U2-Y
			Dark-ON (3-wire)	M18P-D0150A-DY9C3U2-Y
	 Quick Disconnect Right-Angle 	20-250V AC	Light-ON (2-wire)	M18P-D0150A-LY9Q4/2UM-Y
			Dark-ON (2-wire)	M18P-D0150A-DY9Q4/2UM-Y
			Light-ON (3-wire)	M18P-D0150A-LY9Q4UM-Y
			Dark-ON (3-wire)	M18P-D0150A-DY9Q4UM-Y
	 Micro 4 Pins 6" Pig tail Right-Angle 	20-250V AC	Light-ON (2-wire)	M18P-D0150A-LY9P4/2UM-Y
			Dark-ON (2-wire)	M18P-D0150A-DY9P4/2UM-Y
			Light-ON (3-wire)	M18P-D0150A-LY9P4UM-Y
			Dark-ON (3-wire)	M18P-D0150A-DY9P4UM-Y

Diffuse Mode (Brass Housing)

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number
Infrared LED  150mm Diffuse Mode Sensing Distance: 150mm	 Cable 	20-250V AC	Light-ON (2-wire)	M18B-D0150A-LX9C2U2
			Dark-ON (2-wire)	M18B-D0150A-DX9C2U2
			Light-ON (3-wire)	M18B-D0150A-LX9C3U2
			Dark-ON (3-wire)	M18B-D0150A-DX9C3U2
	 Quick Disconnect 	20-250V AC	Light-ON (2-wire)	M18B-D0150A-LX9Q4/2UM
			Dark-ON (2-wire)	M18B-D0150A-DX9Q4/2UM
			Light-ON (3-wire)	M18B-D0150A-LX9Q4UM
			Dark-ON (3-wire)	M18B-D0150A-DX9Q4UM
	 Micro 4 Pins 6" Pig tail 	20-250V AC	Light-ON (2-wire)	M18B-D0150A-LX9P4/2UM
			Dark-ON (2-wire)	M18B-D0150A-DX9P4/2UM
			Light-ON (3-wire)	M18B-D0150A-LX9P4UM
			Dark-ON (3-wire)	M18B-D0150A-DX9P4UM
	 Cable Right-Angle 	20-250V AC	Light-ON (2-wire)	M18B-D0150A-LY9C2U2-Y
			Dark-ON (2-wire)	M18B-D0150A-DY9C2U2-Y
			Light-ON (3-wire)	M18B-D0150A-LY9C3U2-Y
			Dark-ON (3-wire)	M18B-D0150A-DY9C3U2-Y
	 Quick Disconnect Right-Angle 	20-250V AC	Light-ON (2-wire)	M18B-D0150A-LY9Q4/2UM-Y
			Dark-ON (2-wire)	M18B-D0150A-DY9Q4/2UM-Y
			Light-ON (3-wire)	M18B-D0150A-LY9Q4UM-Y
			Dark-ON (3-wire)	M18B-D0150A-DY9Q4UM-Y
	 Micro 4 Pins 6" Pig tail Right-Angle 	20-250V AC	Light-ON (2-wire)	M18B-D0150A-LY9P4/2UM-Y
			Dark-ON (2-wire)	M18B-D0150A-DY9P4/2UM-Y
			Light-ON (3-wire)	M18B-D0150A-LY9P4UM-Y
			Dark-ON (3-wire)	M18B-D0150A-DY9P4UM-Y

Diffuse Mode (Plastic Housing)

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number
Infrared LED  500mm Diffuse Mode Sensing Distance: 500mm	 Cable CE	12-240V DC/ 24-240V AC	Light-ON (2-wire)	M18P-D0500C-LX9C2U2
			Dark-ON (2-wire)	M18P-D0500C-DX9C2U2
	 Quick Disconnect CE	12-240V DC/ 24-240V AC	Light-ON (2-wire)	M18P-D0500C-LX9Q4UM
			Dark-ON (2-wire)	M18P-D0500C-DX9Q4UM
	 Micro 4 Pins 6" Pig tail CE	12-240V DC/ 24-240V AC	Light-ON (2-wire)	M18P-D0500C-LX9P4UM
			Dark-ON (2-wire)	M18P-D0500C-DX9P4UM
	 Cable CE	12-240V DC/ 24-240V AC	Light-ON (2-wire)	M18P-D0500C-LZ9C2U2
			Dark-ON (2-wire)	M18P-D0500C-DZ9C2U2
	 Quick Disconnect CE	12-240V DC/ 24-240V AC	Light-ON (2-wire)	M18P-D0500C-LZ9Q4UM
			Dark-ON (2-wire)	M18P-D0500C-DZ9Q4UM
	 Micro 4 Pins 6" Pig tail CE	12-240V DC/ 24-240V AC	Light-ON (2-wire)	M18P-D0500C-LZ9P4UM
			Dark-ON (2-wire)	M18P-D0500C-DZ9P4UM

Diffuse Mode (Plastic Housing)

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number
Infrared LED  500mm   Diffuse Mode Sensing Distance: 500mm	 Cable Right-Angle CE	12-240V DC/ 24-240V AC	Light-ON (2-wire)	M18P-D0500C-LY9C2U2-Y
			Dark-ON (2-wire)	M18P-D0500C-DY9C2U2-Y
	 Quick Disconnect Right-Angle CE	12-240V DC/ 24-240V AC	Light-ON (2-wire)	M18P-D0500C-LY9Q4UM-Y
			Dark-ON (2-wire)	M18P-D0500C-DY9Q4UM-Y
	 Micro 4 Pins 6" Pig tail Right-Angle CE	12-240V DC/ 24-240V AC	Light-ON (2-wire)	M18P-D0500C-LY9P4UM-Y
			Dark-ON (2-wire)	M18P-D0500C-DY9P4UM-Y

Diffuse Mode (Brass Housing)

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number
Infrared LED  500mm Diffuse Mode Sensing Distance: 500mm	 Cable 	12-240V DC/ 24-240V AC	Light-ON (2-wire)	M18B-D0500C-LX9C2U2
			Dark-ON (2-wire)	M18B-D0500C-DX9C2U2
	 Quick Disconnect 	12-240V DC/ 24-240V AC	Light-ON (2-wire)	M18B-D0500C-LX9Q4UM
			Dark-ON (2-wire)	M18B-D0500C-DX9Q4UM
	 Micro 4 Pins 6" Pig tail 	12-240V DC/ 24-240V AC	Light-ON (2-wire)	M18B-D0500C-LX9P4UM
			Dark-ON (2-wire)	M18B-D0500C-DX9P4UM
	 Cable Right-Angle 	12-240V DC/ 24-240V AC	Light-ON (2-wire)	M18B-D0500C-LY9C2U2-Y
			Dark-ON (2-wire)	M18B-D0500C-DY9C2U2-Y
	 Quick Disconnect Right-Angle 	12-240V DC/ 24-240V AC	Light-ON (2-wire)	M18B-D0500C-LY9Q4UM-Y
			Dark-ON (2-wire)	M18B-D0500C-DY9Q4UM-Y
	 Micro 4 Pins 6" Pig tail Right-Angle 	12-240V DC/ 24-240V AC	Light-ON (2-wire)	M18B-D0500C-LY9P4UM-Y
			Dark-ON (2-wire)	M18B-D0500C-DY9P4UM-Y

Diffuse Mode (Plastic Housing)

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number
Infrared LED  150mm Diffuse Mode Sensing Distance: 150mm	 Cable	12-240V DC/ 24-240V AC	Light-ON (2-wire)	M18P-D0150C-LX9C2U2
			Dark-ON (2-wire)	M18P-D0150C-DX9C2U2
	 Quick Disconnect	12-240V DC/ 24-240V AC	Light-ON (2-wire)	M18P-D0150C-LX9Q4UM
			Dark-ON (2-wire)	M18P-D0150C-DX9Q4UM
	 Micro 4 Pins 6" Pig tail	12-240V DC/ 24-240V AC	Light-ON (2-wire)	M18P-D0150C-LX9P4UM
			Dark-ON (2-wire)	M18P-D0150C-DX9P4UM
	 Cable	12-240V DC/ 24-240V AC	Light-ON (2-wire)	M18P-D0150C-LZ9C2U2
			Dark-ON (2-wire)	M18P-D0150C-DZ9C2U2
	 Quick Disconnect	12-240V DC/ 24-240V AC	Light-ON (2-wire)	M18P-D0150C-LZ9Q4UM
			Dark-ON (2-wire)	M18P-D0150C-DZ9Q4UM
	 Micro 4 Pins 6" Pig tail	12-240V DC/ 24-240V AC	Light-ON (2-wire)	M18P-D0150C-LZ9P4UM
			Dark-ON (2-wire)	M18P-D0150C-DZ9P4UM

Diffuse Mode (Plastic Housing)

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number
Infrared LED 150mm Diffuse Mode Sensing Distance: 150mm	 Cable Right-Angle 	12-240V DC/ 24-240V AC	Light-ON (2-wire)	M18P-D0150C-LY9C2U2-Y
			Dark-ON (2-wire)	M18P-D0150C-DY9C2U2-Y
	 Quick Disconnect Right-Angle 	12-240V DC/ 24-240V AC	Light-ON (2-wire)	M18P-D0150C-LY9Q4UM-Y
			Dark-ON (2-wire)	M18P-D0150C-DY9Q4UM-Y
	 Micro 4 Pins 6" Pig tail Right-Angle 	12-240V DC/ 24-240V AC	Light-ON (2-wire)	M18P-D0150C-LY9P4UM-Y
			Dark-ON (2-wire)	M18P-D0150C-DY9P4UM-Y

Diffuse Mode (Brass Housing)

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number
Infrared LED  150mm   Diffuse Mode Sensing Distance: 150mm	 Cable 	12-240V DC/ 24-240V AC	Light-ON (2-wire)	M18B-D0150C-LX9C2U2
			Dark-ON (2-wire)	M18B-D0150C-DX9C2U2
	 Quick Disconnect 	12-240V DC/ 24-240V AC	Light-ON (2-wire)	M18B-D0150C-LX9Q4UM
			Dark-ON (2-wire)	M18B-D0150C-DX9Q4UM
	 Micro 4 Pins 6" Pig tail 	12-240V DC/ 24-240V AC	Light-ON (2-wire)	M18B-D0150C-LX9P4UM
			Dark-ON (2-wire)	M18B-D0150C-DX9P4UM
	 Cable Right-Angle 	12-240V DC/ 24-240V AC	Light-ON (2-wire)	M18B-D0150C-LY9C2U2-Y
			Dark-ON (2-wire)	M18B-D0150C-DY9C2U2-Y
	 Quick Disconnect Right-Angle 	12-240V DC/ 24-240V AC	Light-ON (2-wire)	M18B-D0150C-LY9Q4UM-Y
			Dark-ON (2-wire)	M18B-D0150C-DY9Q4UM-Y
	 Micro 4 Pins 6" Pig tail Right-Angle 	12-240V DC/ 24-240V AC	Light-ON (2-wire)	M18B-D0150C-LY9P4UM-Y
			Dark-ON (2-wire)	M18B-D0150C-DY9P4UM-Y

Retroreflective Mode (Plastic Housing)

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number
Infrared LED	 Cable	10-30V DC	NPN Light/Dark changeover	M18P-L3000N-CX9C4U2
			PNP Light/Dark changeover	M18P-L3000P-CX9C4U2
			—	—
	 Quick Disconnect	10-30V DC	NPN Light/Dark changeover	M18P-L3000N-CX9Q4UE
			PNP Light/Dark changeover	M18P-L3000P-CX9Q4UE
			—	—
	 Euro 4 Pins 6" Pig tail	10-30V DC	NPN Light/Dark changeover	M18P-L3000N-CX9P4UE
			PNP Light/Dark changeover	M18P-L3000P-CX9P4UE
			—	—
Retro-reflective Mode Sensing Distance: 3.0m	 Cable	10-30V DC	NPN Light/Dark changeover	M18P-L3000N-CZ9C4U2
			PNP Light/Dark changeover	M18P-L3000P-CZ9C4U2
			—	—
	 Quick Disconnect	10-30V DC	NPN Light/Dark changeover	M18P-L3000N-CZ9Q4UE
			PNP Light/Dark changeover	M18P-L3000P-CZ9Q4UE
			—	—
	 Euro 4 Pins 6" Pig tail	10-30V DC	NPN Light/Dark changeover	M18P-L3000N-CZ9P4UE
			PNP Light/Dark changeover	M18P-L3000P-CZ9P4UE
			—	—

Retroreflective Mode (Plastic Housing)

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number
Infrared LED  Retro-reflective Mode Sensing Distance: 3.0m	 Cable Right-Angle 	10-30V DC	NPN Light/Dark changeover	M18P-L3000N-CY9C4U2-Y
			PNP Light/Dark changeover	M18P-L3000P-CY9C4U2-Y
			—	—
	 Quick Disconnect Right-Angle 	10-30V DC	NPN Light/Dark changeover	M18P-L3000N-CY9Q4UE-Y
			PNP Light/Dark changeover	M18P-L3000P-CY9Q4UE-Y
			—	—
	 Euro 4 Pins 6" Pig tail Right-Angle 	10-30V DC	NPN Light/Dark changeover	M18P-L3000N-CY9P4UE-Y
			PNP Light/Dark changeover	M18P-L3000P-CY9P4UE-Y
			—	—

Retroreflective Mode (Brass Housing)

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number	
Infrared LED  3.0m  Retro-reflective Mode Sensing Distance: 3.0m	 Cable CE	10-30V DC	NPN Light/Dark changeover	M18B-L3000N-CX9C4U2	
	 Quick Disconnect CE		PNP Light/Dark changeover	M18B-L3000P-CX9C4U2	
			—	—	
	 Euro 4 Pins 6" Pig tail CE	10-30V DC	NPN Light/Dark changeover	M18B-L3000N-CX9P4UE	
			PNP Light/Dark changeover	M18B-L3000P-CX9P4UE	
			—	—	
	 Cable Right-Angle CE	10-30V DC	NPN Light/Dark changeover	M18B-L3000N-CY9C4U2-Y	
			PNP Light/Dark changeover	M18B-L3000P-CY9C4U2-Y	
			—	—	
	 Quick Disconnect Right-Angle CE	10-30V DC	NPN Light/Dark changeover	M18B-L3000N-CY9Q4UE-Y	
			PNP Light/Dark changeover	M18B-L3000P-CY9Q4UE-Y	
			—	—	
	 Euro 4 Pins 6 " Pig tail Right-Angle CE	10-30V DC	NPN Light/Dark changeover	M18B-L3000N-CY9P4UE-Y	
			PNP Light/Dark changeover	M18B-L3000P-CY9P4UE-Y	
			—	—	

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Sensing mode	Material	Connection	Output mode	Part number
 Retro-reflective mode with polarizing filter Sensing distance: 1.0m	Plastic	 Cable	NPN Light-on	—
			NPN Dark-on	—
			NPN Light/Dark changeover	M18P-L1000N-CX6C4U2-PF
			PNP Light-on	—
			PNP Dark-on	—
			PNP Light/Dark changeover	M18P-L1000P-CX6C4U2-PF
		 Quick Disconnect	NPN Light-on	—
			NPN Dark-on	—
			NPN Light/Dark changeover	M18P-L1000N-CX6Q4UE-PF
			PNP Light-on	—
			PNP Dark-on	—
			PNP Light/Dark changeover	M18P-L1000P-CX6Q4UE-PF
		 EURO 4 Pins 6" Pig tail	NPN Light-on	—
			NPN Dark-on	—
			NPN Light/Dark changeover	M18P-L1000N-CX6P4UE-PF
			PNP Light-on	—
			PNP Dark-on	—
			PNP Light/Dark changeover	M18P-L1000P-CX6P4UE-PF
		 Cable	NPN Light-on	—
			NPN Dark-on	—
			NPN Light/Dark changeover	M18P-L1000N-CZ6C4U2-PF
			PNP Light-on	—
			PNP Dark-on	—
			PNP Light/Dark changeover	M18P-L1000P-CZ6C4U2-PF
		 Quick Disconnect	NPN Light-on	—
			NPN Dark-on	—
			NPN Light/Dark changeover	M18P-L1000N-CZ6Q4UE-PF
			PNP Light-on	—
			PNP Dark-on	—
			PNP Light/Dark changeover	M18P-L1000P-CZ6Q4UE-PF
		 EURO 4 Pins 6" Pig tail	NPN Light-on	—
			NPN Dark-on	—
			NPN Light/Dark changeover	M18P-L1000N-CZ6P4UE-PF
			PNP Light-on	—
			PNP Dark-on	—
			PNP Light/Dark changeover	M18P-L1000P-CZ6P4UE-PF

Retroreflective Mode with Polarizing Filter (Plastic Housing)

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number	
Red Light LED  Retro-reflective Mode with Polarizing Filter Sensing Distance: 1.0m	 Cable Right-Angle 	10-30V DC	NPN Light/Dark changeover	M18P-L1000N-CY6C4U2-FY	
	 Quick Disconnect Right-Angle 		PNP Light/Dark changeover	M18P-L1000P-CY6C4U2-FY	
			—	—	
	 Euro 4 Pins 6" Pig tail Right-Angle 	10-30V DC	NPN Light/Dark changeover	M18P-L1000N-CY6Q4UE-FY	
			PNP Light/Dark changeover	M18P-L1000P-CY6Q4UE-FY	
			—	—	

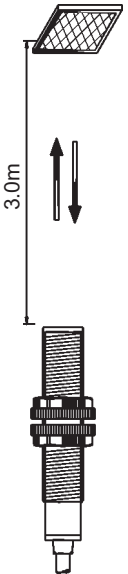
Retroreflective Mode with Polarizing Filter (Brass Housing)

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number	
Red Light LED  1.0m Retro-reflective Mode with Polarizing Filter Sensing Distance: 1.0m	 Cable CE	10-30V DC	NPN Light/Dark changeover	M18B-L1000N-CX6C4U2-PF	
	 Quick Disconnect CE		PNP Light/Dark changeover	M18B-L1000P-CX6C4U2-PF	
			—	—	
	 Euro 4 Pins 6" Pig tail CE	10-30V DC	NPN Light/Dark changeover	M18B-L1000N-CX6P4UE-PF	
			PNP Light/Dark changeover	M18B-L1000P-CX6P4UE-PF	
			—	—	
	 Cable Right-Angle CE	10-30V DC	NPN Light/Dark changeover	M18B-L1000N-CY6C4U2-FY	
			PNP Light/Dark changeover	M18B-L1000P-CY6C4U2-FY	
			—	—	
	 Quick Disconnect Right-Angle CE	10-30V DC	NPN Light/Dark changeover	M18B-L1000N-CY6Q4UE-FY	
			PNP Light/Dark changeover	M18B-L1000P-CY6Q4UE-FY	
			—	—	
	 Euro 4 Pins 6" Pig tail Right-Angle CE	10-30V DC	NPN Light/Dark changeover	M18B-L1000N-CY6P4UE-FY	
			PNP Light/Dark changeover	M18B-L1000P-CY6P4UE-FY	
			—	—	

Retroreflective Mode (Plastic Housing)

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number
Infrared LED  Retro-reflective Mode Sensing Distance: 3.0m	 Cable 	20-250V AC	Light-ON (2-wire)	M18P-L3000A-LX9C2U2
			Dark-ON (2-wire)	M18P-L3000A-DX9C2U2
			Light-ON (3-wire)	M18P-L3000A-LX9C3U2
			Dark-ON (3-wire)	M18P-L3000A-DX9C3U2
	 Quick Disconnect 	20-250V AC	Light-ON (2-wire)	M18P-L3000A-LX9Q4/2UM
			Dark-ON (2-wire)	M18P-L3000A-DX9Q4/2UM
			Light-ON (3-wire)	M18P-L3000A-LX9Q4UM
			Dark-ON (3-wire)	M18P-L3000A-DX9Q4UM
	 Micro 4 Pins 6" Pig tail 	20-250V AC	Light-ON (2-wire)	M18P-L3000A-LX9P4/2UM
			Dark-ON (2-wire)	M18P-L3000A-DX9P4/2UM
			Light-ON (3-wire)	M18P-L3000A-LX9P4UM
			Dark-ON (3-wire)	M18P-L3000A-DX9P4UM
	 Cable 	20-250V AC	Light-ON (2-wire)	M18P-L3000A-LZ9C2U2
			Dark-ON (2-wire)	M18P-L3000A-DZ9C2U2
			Light-ON (3-wire)	M18P-L3000A-LZ9C3U2
			Dark-ON (3-wire)	M18P-L3000A-DZ9C3U2
	 Quick Disconnect 	20-250V AC	Light-ON (2-wire)	M18P-L3000A-LZ9Q4/2UM
			Dark-ON (2-wire)	M18P-L3000A-DZ9Q4/2UM
			Light-ON (3-wire)	M18P-L3000A-LZ9Q4UM
			Dark-ON (3-wire)	M18P-L3000A-DZ9Q4UM
	 Micro 4 Pins 6" Pig tail 	20-250V AC	Light-ON (2-wire)	M18P-L3000A-LZ9P4/2UM
			Dark-ON (2-wire)	M18P-L3000A-DZ9P4/2UM
			Light-ON (3-wire)	M18P-L3000A-LZ9P4UM
			Dark-ON (3-wire)	M18P-L3000A-DZ9P4UM

M18 SENSORS SELECTION GUIDE (AC)

Sensing mode	Material	Connection	Output mode	Part number
 Retro-reflective mode Sensing distance: 3.0m	Plastic	 Cable Right-Angle 	Light-ON	M18P-L3000A-LY9C3U2-Y
			Dark-ON	M18P-L3000A-DY9C3U2-Y
			Light/dark changeover	—
		 Quick Disconnect Right-Angle 	Light-ON	M18P-L3000A-LY9Q4UM-Y
			Dark-ON	M18P-L3000A-DY9Q4UM-Y
			Light/dark changeover	—
		 Micro 4 Pins 6" Pig tail Right-Angle 	Light-ON	M18P-L3000A-LY9P4UM-Y
			Dark-ON	M18P-L3000A-DY9P4UM-Y
			Light/dark changeover	—
	Brass (stainless steel can be produced also)	 Cable 	Light-ON	M18B-L3000A-LX9C3U2
			Dark-ON	M18B-L3000A-DX9C3U2
			Light/dark changeover	—
		 Quick Disconnect 	Light-ON	M18B-L3000A-LX9Q4UM
			Dark-ON	M18B-L3000A-DX9Q4UM
			Light/dark changeover	—
		 Micro 4 Pins 6" Pig tail 	Light-ON	M18B-L3000A-LX9P4UM
			Dark-ON	M18B-L3000A-DX9P4UM
			Light/dark changeover	—

Retroreflective Mode (Brass Housing)

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number
Infrared LED  3.0m Retro-reflective Mode Sensing Distance: 3.0m	 Cable 	20-250V AC	Light-ON (2-wire)	M18B-L3000A-LX9C2U2
			Dark-ON (2-wire)	M18B-L3000A-DX9C2U2
			Light-ON (3-wire)	M18B-L3000A-LX9C3U2
			Dark-ON (3-wire)	M18B-L3000A-DX9C3U2
	 Quick Disconnect 	20-250V AC	Light-ON (2-wire)	M18B-L3000A-LX9Q4/2UM
			Dark-ON (2-wire)	M18B-L3000A-DX9Q4/2UM
			Light-ON (3-wire)	M18B-L3000A-LX9Q4UM
			Dark-ON (3-wire)	M18B-L3000A-DX9Q4UM
	 Micro 4 Pins 6" Pig tail 	20-250V AC	Light-ON (2-wire)	M18B-L3000A-LX9P4/2UM
			Dark-ON (2-wire)	M18B-L3000A-DX9P4/2UM
			Light-ON (3-wire)	M18B-L3000A-LX9P4UM
			Dark-ON (3-wire)	M18B-L3000A-DX9P4UM
	 Cable Right-Angle 	20-250V AC	Light-ON (2-wire)	M18B-L3000A-LY9C2U2-Y
			Dark-ON (2-wire)	M18B-L3000A-DY9C2U2-Y
			Light-ON (3-wire)	M18B-L3000A-LY9C3U2-Y
			Dark-ON (3-wire)	M18B-L3000A-DY9C3U2-Y
	 Quick Disconnect Right-Angle 	20-250V AC	Light-ON (2-wire)	M18B-L3000A-LY9Q4/2UM-Y
			Dark-ON (2-wire)	M18B-L3000A-DY9Q4/2UM-Y
			Light-ON (3-wire)	M18B-L3000A-LY9Q4UM-Y
			Dark-ON (3-wire)	M18B-L3000A-DY9Q4UM-Y
	 Micro 4 Pins 6" Pig tail Right-Angle 	20-250V AC	Light-ON (2-wire)	M18B-L3000A-LY9P4/2UM-Y
			Dark-ON (2-wire)	M18B-L3000A-DY9P4/2UM-Y
			Light-ON (3-wire)	M18B-L3000A-LY9P4UM-Y
			Dark-ON (3-wire)	M18B-L3000A-DY9P4UM-Y

Retroreflective Mode with Polarizing Filter (Plastic Housing)

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number
Red Light LED  Retro-reflective Mode with Polarizing Filter Sensing Distance: 1.0m	 Cable 	20-250V AC	Light-ON (2-wire)	M18P-L1000A-LX6C2U2-PF
			Dark-ON (2-wire)	M18P-L1000A-DX6C2U2-PF
			Light-ON (3-wire)	M18P-L1000A-LX6C3U2-PF
			Dark-ON (3-wire)	M18P-L1000A-DX6C3U2-PF
	 Quick Disconnect 	20-250V AC	Light-ON (2-wire)	M18P-L1000A-LX6Q4/2UM-PF
			Dark-ON (2-wire)	M18P-L1000A-DX6Q4/2UM-PF
			Light-ON (3-wire)	M18P-L1000A-LX6Q4UM-PF
			Dark-ON (3-wire)	M18P-L1000A-DX6Q4UM-PF
	 Micro 4 Pins 6" Pig tail 	20-250V AC	Light-ON (2-wire)	M18P-L1000A-LX6P4/2UM-PF
			Dark-ON (2-wire)	M18P-L1000A-DX6P4/2UM-PF
			Light-ON (3-wire)	M18P-L1000A-LX6P4UM-PF
			Dark-ON (3-wire)	M18P-L1000A-DX6P4UM-PF
	 Cable 	20-250V AC	Light-ON (2-wire)	M18P-L1000A-LZ6C2U2-PF
			Dark-ON (2-wire)	M18P-L1000A-DZ6C2U2-PF
			Light-ON (3-wire)	M18P-L1000A-LZ6C3U2-PF
			Dark-ON (3-wire)	M18P-L1000A-DZ6C3U2-PF
	 Quick Disconnect 	20-250V AC	Light-ON (2-wire)	M18P-L1000A-LZ6Q4/2UM-PF
			Dark-ON (2-wire)	M18P-L1000A-DZ6Q4/2UM-PF
			Light-ON (3-wire)	M18P-L1000A-LZ6Q4UM-PF
			Dark-ON (3-wire)	M18P-L1000A-DZ6Q4UM-PF
	 Micro 4 Pins 6" Pig tail 	20-250V AC	Light-ON (2-wire)	M18P-L1000A-LZ6P4/2UM-PF
			Dark-ON (2-wire)	M18P-L1000A-DZ6P4/2UM-PF
			Light-ON (3-wire)	M18P-L1000A-LZ6P4UM-PF
			Dark-ON (3-wire)	M18P-L1000A-DZ6P4UM-PF

Retroreflective Mode with Polarizing Filter (Plastic Housing)

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number	
Red Light LED  Retro-reflective Mode with Polarizing Filter Sensing Distance: 1.0m	 Cable Right-Angle 	20-250V AC	Light-ON (2-wire)	M18P-L1000A-LY6C2U2-FY	
	 Quick Disconnect Right-Angle 		Dark-ON (2-wire)	M18P-L1000A-DY6C2U2-FY	
			Light-ON (3-wire)	M18P-L1000A-LY6C3U2-FY	
			Dark-ON (3-wire)	M18P-L1000A-DY6C3U2-FY	
	 Micro 4 Pins 6" Pig tail Right-Angle 	20-250V AC	Light-ON (2-wire)	M18P-L1000A-LY6Q4/2UM-FY	
			Dark-ON (2-wire)	M18P-L1000A-DY6Q4/2UM-FY	
			Light-ON (3-wire)	M18P-L1000A-LY6Q4UM-FY	
			Dark-ON (3-wire)	M18P-L1000A-DY6Q4UM-FY	
			Light-ON (2-wire)	M18P-L1000A-LY6P4/2UM-FY	
			Dark-ON (2-wire)	M18P-L1000A-DY6P4/2UM-FY	
			Light-ON (3-wire)	M18P-L1000A-LY6P4UM-FY	
			Dark-ON (3-wire)	M18P-L1000A-DY6P4UM-FY	

Retroreflective Mode with Polarizing Filter (Brass Housing)

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number
Red Light LED  1.0m Retro-reflective Mode with Polarizing Filter Sensing Distance: 1.0m	 Cable 	20-250V AC	Light-ON (2-wire)	M18B-L1000A-LX6C2U2-PF
			Dark-ON (2-wire)	M18B-L1000A-DX6C2U2-PF
			Light-ON (3-wire)	M18B-L1000A-LX6C3U2-PF
			Dark-ON (3-wire)	M18B-L1000A-DX6C3U2-PF
	 Quick Disconnect 	20-250V AC	Light-ON (2-wire)	M18B-L1000A-LX6Q4/2UM-PF
			Dark-ON (2-wire)	M18B-L1000A-DX6Q4/2UM-PF
			Light-ON (3-wire)	M18B-L1000A-LX6Q4UM-PF
			Dark-ON (3-wire)	M18B-L1000A-DX6Q4UM-PF
	 Micro 4 Pins 6" Pig tail 	20-250V AC	Light-ON (2-wire)	M18B-L1000A-LX6P4/2UM-PF
			Dark-ON (2-wire)	M18B-L1000A-DX6P4/2UM-PF
			Light-ON (3-wire)	M18B-L1000A-LX6P4UM-PF
			Dark-ON (3-wire)	M18B-L1000A-DX6P4UM-PF
	 Cable Right-Angle 	20-250V AC	Light-ON (2-wire)	M18B-L1000A-LY6C2U2-FY
			Dark-ON (2-wire)	M18B-L1000A-DY6C2U2-FY
			Light-ON (3-wire)	M18B-L1000A-LY6C3U2-FY
			Dark-ON (3-wire)	M18B-L1000A-DY6C3U2-FY
	 Quick Disconnect Right-Angle 	20-250V AC	Light-ON (2-wire)	M18B-L1000A-LY6Q4/2UM-FY
			Dark-ON (2-wire)	M18B-L1000A-DY6Q4/2UM-FY
			Light-ON (3-wire)	M18B-L1000A-LY6Q4UM-FY
			Dark-ON (3-wire)	M18B-L1000A-DY6Q4UM-FY
	 Micro 4 Pins 6" Pig tail Right-Angle 	20-250V AC	Light-ON (2-wire)	M18B-L1000A-LY6P4/2UM-FY
			Dark-ON (2-wire)	M18B-L1000A-DY6P4/2UM-FY
			Light-ON (3-wire)	M18B-L1000A-LY6P4UM-FY
			Dark-ON (3-wire)	M18B-L1000A-DY6P4UM-FY

Retroreflective Mode (Plastic Housing)

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number
Infrared LED  Retro-reflective Mode Sensing Distance: 3.0m	 Cable 	12-240V DC/ 24-240V AC	Light-ON (2-wire)	M18P-L3000C-LX9C2U2
			Dark-ON (2-wire)	M18P-L3000C-DX9C2U2
	 Quick Disconnect 	12-240V DC/ 24-240V AC	Light-ON (2-wire)	M18P-L3000C-LX9Q4UM
			Dark-ON (2-wire)	M18P-L3000C-DX9Q4UM
	 Micro 4 Pins 6" Pig tail 	12-240V DC/ 24-240V AC	Light-ON (2-wire)	M18P-L3000C-LX9P4UM
			Dark-ON (2-wire)	M18P-L3000C-DX9P4UM
	 Cable 	12-240V DC/ 24-240V AC	Light-ON (2-wire)	M18P-L3000C-LZ9C2U2
			Dark-ON (2-wire)	M18P-L3000C-DZ9C2U2
	 Quick Disconnect 	12-240V DC/ 24-240V AC	Light-ON (2-wire)	M18P-L3000C-LZ9Q4UM
			Dark-ON (2-wire)	M18P-L3000C-DZ9Q4UM
	 Micro 4 Pins 6" Pig tail 	12-240V DC/ 24-240V AC	Light-ON (2-wire)	M18P-L3000C-LZ9P4UM
			Dark-ON (2-wire)	M18P-L3000C-DZ9P4UM

Retroreflective Mode (Plastic Housing)

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number
Infrared LED  3.0m Retro-reflective Mode Sensing Distance: 3.0m	 Cable Right-Angle 	12-240V DC/ 24-240V AC	Light-ON (2-wire)	M18P-L3000C-LY9C2U2-Y
			Dark-ON (2-wire)	M18P-L3000C-DY9C2U2-Y
	 Quick Disconnect Right-Angle 	12-240V DC/ 24-240V AC	Light-ON (2-wire)	M18P-L3000C-LY9Q4UM-Y
			Dark-ON (2-wire)	M18P-L3000C-DY9Q4UM-Y
	 Micro 4 Pins 6" Pig tail Right-Angle 	12-240V DC/ 24-240V AC	Light-ON (2-wire)	M18P-L3000C-LY9P4UM-Y
			Dark-ON (2-wire)	M18P-L3000C-DY9P4UM-Y

Retroreflective Mode (Brass Housing)

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number
Infrared LED  Retro-reflective Mode Sensing Distance: 3.0m	 Cable	12-240V DC/ 24-240V AC	Light-ON (2-wire)	M18B-L3000C-LX9C2U2
			Dark-ON (2-wire)	M18B-L3000C-DX9C2U2
	 Quick Disconnect	12-240V DC/ 24-240V AC	Light-ON (2-wire)	M18B-L3000C-LX9Q4UM
			Dark-ON (2-wire)	M18B-L3000C-DX9Q4UM
	 Micro 4 Pins 6" Pig tail	12-240V DC/ 24-240V AC	Light-ON (2-wire)	M18B-L3000C-LX9P4UM
			Dark-ON (2-wire)	M18B-L3000C-DX9P4UM
	 Cable Right-Angle	12-240V DC/ 24-240V AC	Light-ON (2-wire)	M18B-L3000C-LY9C2U2-Y
			Dark-ON (2-wire)	M18B-L3000C-DY9C2U2-Y
	 Quick Disconnect Right-Angle	12-240V DC/ 24-240V AC	Light-ON (2-wire)	M18B-L3000C-LY9Q4UM-Y
			Dark-ON (2-wire)	M18B-L3000C-DY9Q4UM-Y
	 Micro 4 Pins 6" Pig tail Right-Angle	12-240V DC/ 24-240V AC	Light-ON (2-wire)	M18B-L3000C-LY9P4UM-Y
			Dark-ON (2-wire)	M18B-L3000C-DY9P4UM-Y

Retroreflective Mode with Polarizing Filter (Plastic Housing)

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number
Red Light LED  Retro-reflective Mode with Polarizing Filter Sensing Distance: 1.0m	 Cable	12-240V DC/ 24-240V AC	Light-ON (2-wire)	M18P-L1000C-LX6C2U2-PF
			Dark-ON (2-wire)	M18P-L1000C-DX6C2U2-PF
	 Quick Disconnect	12-240V DC/ 24-240V AC	Light-ON (2-wire)	M18P-L1000C-LX6Q4UM-PF
			Dark-ON (2-wire)	M18P-L1000C-DX6Q4UM-PF
	 Micro 4 Pins 6" Pig tail	12-240V DC/ 24-240V AC	Light-ON (2-wire)	M18P-L1000C-LX6P4UM-PF
			Dark-ON (2-wire)	M18P-L1000C-DX6P4UM-PF
	 Cable	12-240V DC/ 24-240V AC	Light-ON (2-wire)	M18P-L1000C-LZ6C2U2-PF
			Dark-ON (2-wire)	M18P-L1000C-DZ6C2U2-PF
	 Quick Disconnect	12-240V DC/ 24-240V AC	Light-ON (2-wire)	M18P-L1000C-LZ6Q4UM-PF
			Dark-ON (2-wire)	M18P-L1000C-DZ6Q4UM-PF
	 Micro 4 Pins 6" Pig tail	12-240V DC/ 24-240V AC	Light-ON (2-wire)	M18P-L1000C-LZ6P4UM-PF
			Dark-ON (2-wire)	M18P-L1000C-DZ6P4UM-PF

Retroreflective Mode with Polarizing Filter (Plastic Housing)

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number
Red Light LED  Retro-reflective Mode with Polarizing Filter Sensing Distance: 1.0m	 Cable Right-Angle CE	12-240V DC/ 24-240V AC	Light-ON (2-wire)	M18P-L1000C-LY6C2U2-FY
			Dark-ON (2-wire)	M18P-L1000C-DY6C2U2-FY
	 Quick Disconnect Right-Angle CE	12-240V DC/ 24-240V AC	Light-ON (2-wire)	M18P-L1000C-LY6Q4UM-FY
			Dark-ON (2-wire)	M18P-L1000C-DY6Q4UM-FY
	 Micro 4 Pins 6" Pig tail Right-Angle CE	12-240V DC/ 24-240V AC	Light-ON (2-wire)	M18P-L1000C-LY6P4UM-FY
			Dark-ON (2-wire)	M18P-L1000C-DY6P4UM-FY

O : M18 SENSORS

Retroreflective Mode with Polarizing Filter (Brass Housing)

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number
Red Light LED  1.0m Retro-reflective Mode with Polarizing Filter Sensing Distance: 1.0m	 Cable	12-240V DC/ 24-240V AC	Light-ON (2-wire)	M18B-L1000C-LX6C2U2-PF
			Dark-ON (2-wire)	M18B-L1000C-DX6C2U2-PF
	 Quick Disconnect	12-240V DC/ 24-240V AC	Light-ON (2-wire)	M18B-L1000C-LX6Q4UM-PF
			Dark-ON (2-wire)	M18B-L1000C-DX6Q4UM-PF
	 Micro 4 Pins 6" Pig tail	12-240V DC/ 24-240V AC	Light-ON (2-wire)	M18B-L1000C-LX6P4UM-PF
			Dark-ON (2-wire)	M18B-L1000C-DX6P4UM-PF
	 Cable Right-Angle	12-240V DC/ 24-240V AC	Light-ON (2-wire)	M18B-L1000C-LY6C2U2-FY
			Dark-ON (2-wire)	M18B-L1000C-DY6C2U2-FY
	 Quick Disconnect Right-Angle	12-240V DC/ 24-240V AC	Light-ON (2-wire)	M18B-L1000C-LY6Q4UM-FY
			Dark-ON (2-wire)	M18B-L1000C-DY6Q4UM-FY
	 Micro 4 Pins 6" Pig tail Right-Angle	12-240V DC/ 24-240V AC	Light-ON (2-wire)	M18B-L1000C-LY6P4UM-FY
			Dark-ON (2-wire)	M18B-L1000C-DY6P4UM-FY

Thru-beam Mode (Plastic Housing)

Sensing Mode	Connection	Supply Voltage	Output Mode	Part Number	
Infrared LED  15m  Thru-beam Mode Sensing Distance: 15m	 Cable 	12-240V DC/ 24-240V AC	Emitter (2-wire)	M18P-T015MC-EX9C2L2	
	 Quick Disconnect 		Light-ON (2-wire)	M18P-T015MC-LX9C2U2	
			Dark-ON (2-wire)	M18P-T015MC-DX9C2U2	
	 Micro 4 Pins 6" Pig tail 	12-240V DC/ 24-240V AC	Emitter (2-wire)	M18P-T015MC-EX9P4LM	
	 Cable 		Light-ON (2-wire)	M18P-T015MC-LX9P4UM	
			Dark-ON (2-wire)	M18P-T015MC-DX9P4UM	
	 Quick Disconnect 		Emitter (2-wire)	M18P-T015MC-EZ9C2L2	
			Light-ON (2-wire)	M18P-T015MC-LZ9C2U2	
			Dark-ON (2-wire)	M18P-T015MC-DZ9C2U2	
 Micro 4 Pins 6" Pig tail 		12-240V DC/ 24-240V AC	Emitter (2-wire)	M18P-T015MC-EZ9Q4LM	
			Light-ON (2-wire)	M18P-T015MC-LZ9Q4UM	
			Dark-ON (2-wire)	M18P-T015MC-DZ9Q4UM	
 Micro 4 Pins 6" Pig tail 		12-240V DC/ 24-240V AC	Emitter (2-wire)	M18P-T015MC-EZ9P4LM	
			Light-ON (2-wire)	M18P-T015MC-LZ9P4UM	
			Dark-ON (2-wire)	M18P-T015MC-DZ9P4UM	

Specifications (DC)

Type		Thru-beam	Retroreflective		Diffuse Reflective	
				with polarizing filters		
Item	Model No.	M18x-T015Mx-xxxxxx	M18x-L3000x-xxxxxx	M18x-L1000x-xxxxxx-PF	M18x-D0150x-xxxxxx	M18x-D0500x-xxxxxx
Sensing Range		15m	3m	1m	150mm	500mm
Sensing Object		Opaque object of ϕ 8mm or more	3-way mirror	3-way mirror	White paper	
Hysteresis		—————			20% or less of operation distance	
Supply Voltage		10 to 30V DC, Ripple P-P 10% or less				
Current Consumption		30mA or less				
Output		<NPN> output type NPN open-collector transistor - Applied voltage: 30V DC or less - Maximum sink current: 200mA - Voltage drop: 2.5V or less			<PNP> output type PNP open-collector transistor - Applied voltage: 30V DC or less - Maximum source current: 200mA - Voltage drop: 2.5V or less	
Output Operation		Selectable either Light-ON Dark-ON by the control input wire				
Short-circuit Protection		Yes				
Reverse Polarity Protection		Yes				
Overload Current Protection		Yes				
Response Time		1.5ms				
Operation Indicator		Red LED (light up when the output is activated), Thru-beam sensor is provided it on the receiver				
Pollution Degree		3(Industrial environment)				
Protection		IP67(IEC)				
Ambient Temperature		-25℃ to +55℃				
Ambient Humidity		35 to 85% RH,Storage:35 to 85% RH				
EMC		IEC 60947-5-2, Parts 7.2.6.1. 2. 3 or RFI>3V/m(in 30-1000MHZ), EFT>1KV, ESD>4KV(contact)				
Voltage Withstand Ability		IEC 60947-5-2, Part 8.3.3.4 or 1500VAC for one min, between all supply terminals connected together and enclosure				
Insulation Resistance		>20M Ω , with 1500V AC megger between all supply terminals connected together and enclosure				
Vibration Resistance		IEC 60947-5-2, Part 7.4.2 or 10-55HZ, 1.0mm amplitude in x , y and z directions for 30 min				
Shock Resistance		IEC 60947-5-2, Part 7.4.1 or 30g, 11ms in x , y and z directions for six time each				
Emitting Element		Infrared LED (modulated)		Red LED (modulated)	Infrared LED (modulated)	
Housing Material		Plastic housing: PBT		Metal housing: Nickel-plated brass		
Cable		2m or 9m 5.8 ϕ (Plastic Housing:4 ϕ) 4X0.5 (Emitter :3X0.5) PVC.				
Pigtail Type		See page Q-01 for cable and connect at pigtail				

Specifications (AC)

Type		Thru-beam	Retroreflective		Diffuse Reflective	
				with polarizing filters		
Item	Model No.	M18x-T015MA-xxxxxx	M18x-L3000A-xxxxxx	M18x-L1000A-xxxxxx-PF	M18x-D0150A-xxxxxx	M18x-D0500A-xxxxxx
Sensing Range		15m	3m	1m	150mm	500mm
Sensing Object		Opaque object of 8mm or more	3-way mirror	3-way mirror	White paper	
Hysteresis		—			20% or less of operation distance	
Supply Voltage		20 to 250V AC				
Current Consumption		Emitter: 30mA or less Receiver: 5mA or less	5mA or less			
Output		AC non-contact (thyristor output) • Applied voltage: 20 to 250V AC • Max. Load current: 300mA • Voltage drop: 10V AC or less				
Output Operation		Selectable either Light-ON Dark-ON by type number				
Overload Current Protection		Yes				
Response Time		15ms				
Operation Indicator		Red LED (light up when the output is activated), Thru-beam sensor is provided it on the receiver				
Pollution Degree		3(Industrial environment)				
Protection		IP67(IEC)				
Ambient Temperature		-25°C to +55°C				
Ambient Humidity		35 to 85% RH,Storage:35 to 85% RH				
EMC		IEC 60947-5-2, Parts 7.2.6.1. 2. 3 or RFI>3V/m(in 30-1000MHZ), EFT>1KV, ESD>4KV(contact)				
Voltage Withstand Ability		IEC 60947-5-2, Part 8.3.3.4 or 1500VAC for one min, between all supply terminals connected together and enclosure				
Insulation Resistance		>20MΩ, with 1500V AC megger between all supply terminals connected together and enclosure				
Vibration Resistance		IEC 60947-5-2, Part 7.4.2 or 10-55HZ, 1.0mm amplitude in x , y and z directions for 30 min				
Shock Resistance		IEC 60947-5-2, Part 7.4.1 or 30g, 11ms in x , y and z directions for six time each				
Emitting Element		Infrared LED (modulated)		Red LED (modulated)	Infrared LED (modulated)	
Material		PBT or Brass				
Cable		2m or 9m 5.8φ (Plastic Housing:4φ) 4X0.5 (Emitter :3X0.5) PVC.				
Pig tail Type		See page Q-01 for cable and connect at pigtail				

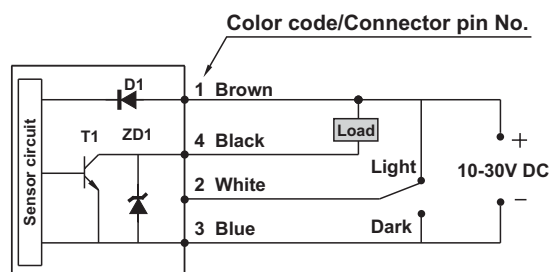
Specifications (AC/DC)

Item	Type	Thru-beam	Retroreflective		Diffuse Reflective	
	Model No.			with polarizing filters		
		M18x-T015MC-xxxxxx	M18x-L3000C-xxxxxx	M18x-L1000C-xxxxxx-PF	M18x-D0150C-xxxxxx	M18x-D0500C-xxxxxx
Sensing Range		15m	3m	1m	150mm	500mm
Sensing Object		Opaque object of 8mm or more	3-way mirror	3-way mirror	White paper	
Hysteresis		—			20% or less of operation distance	
Supply Voltage		12-240V DC / 24-240V AC				
Current Consumption		Emitter: 30mA or less Receiver: 5mA or less	30mA or less			
Output		AC non-contact (thyristor output) • Applied voltage: 12 to 240V DC or 24 to 240V AC • Max. Load current: 300mA • Voltage drop: 10V at AC or 2.5V at DC or less				
Output Operation		Selectable either Light-ON Dark-ON by type number				
Overload Current Protection		Yes				
Response Time		15ms				
Operation Indicator		Red LED (light up when the output is activated), Thru-beam sensor is provided on th receiver				
Pollution Degree		3(Industrial environment)				
Protection		IP67(IEC)				
Ambient Temperature		-25°C to +55°C				
Ambient Humidity		35 to 85% RH,Storage:35 to 85% RH				
EMC		IEC 60947-5-2, Parts 7.2.6.1. 2. 3 or RFI>3V/m(in 30-1000MHZ), EFT>1KV, ESD>4KV(contact)				
Voltage Withstand Ability		IEC 60947-5-2, Part 8.3.3.4 or 1500VAC for one min, between all supply terminals connected together and enclosure				
Insulation Resistance		>20MΩ, with 1500V AC megger between all supply terminals connected together and enclosure				
Vibration Resistance		IEC 60947-5-2, Part 7.4.2 or 10-55HZ, 1.0mm amplitude in x , y and z directions for 30 min				
Shock Resistance		IEC 60947-5-2, Part 7.4.1 or 30g, 11ms in x , y and z directions for six time each				
Emitting Element		Infrared LED (modulated)		Red LED (modulated)	Infrared LED (modulated)	
Material		PBT or Brass				
Cable		2m or 9m 5.8φ (Plastic Housing:4φ) 4X0.5 (Emitter :3X0.5) PVC.				
Pigtail Type		See page Q-01 for cable and connect at pigtail				

Circuit Diagrams

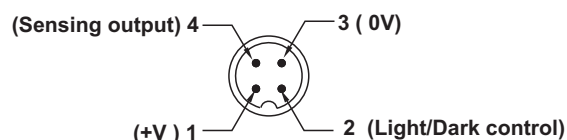
NPN output type

I/O circuit diagram



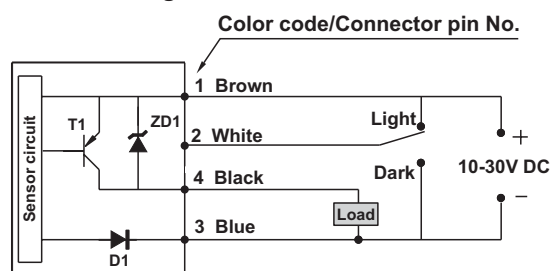
Symbol D1: Reverse polarity protection diode
ZD1: Surge absorption zener diode
T1: NPN output transistor

Connector pin position (Euro-style)



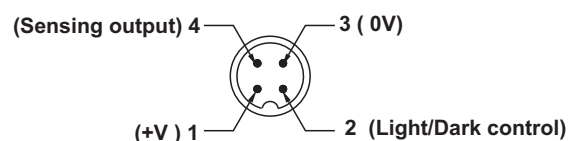
PNP output type

I/O circuit diagram



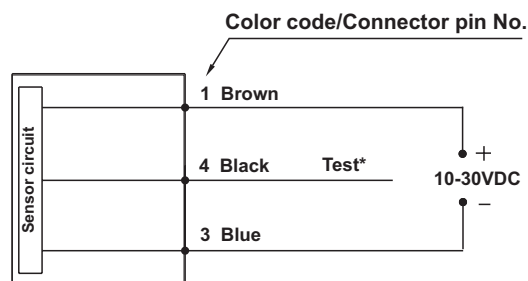
Symbol D1: Reverse polarity protection diode
ZD1: Surge absorption zener diode
T1: PNP output transistor

Connector pin position (Euro-style)



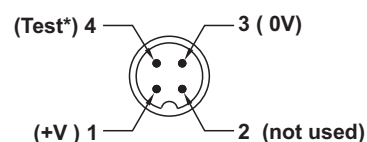
Emitter

I/O circuit diagram



*: Test (black wire) = 0V, Emitter Off.

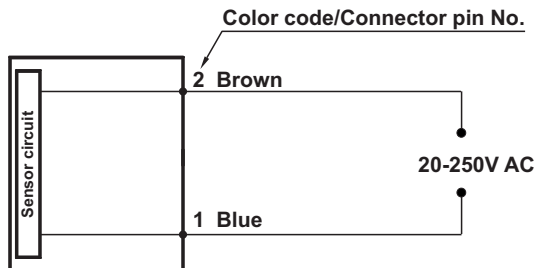
Connector pin position (Euro-style)



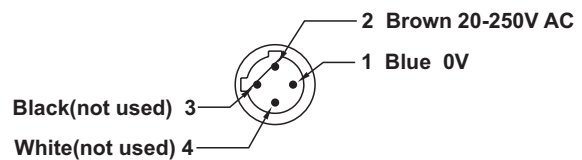
Circuit Diagrams

Emitter

I/O circuit diagram

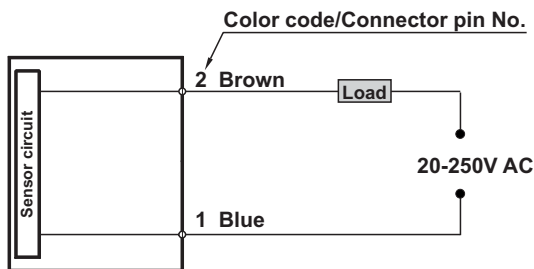


Connector pin position
(Micro-style)

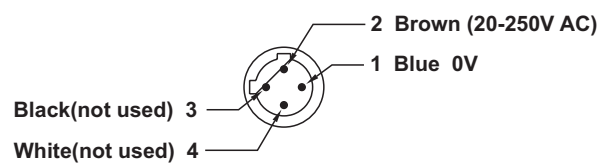


Receiver of thru-beam mode, retroreflective & diffuse reflective sensor (2-wire)

I/O circuit diagram

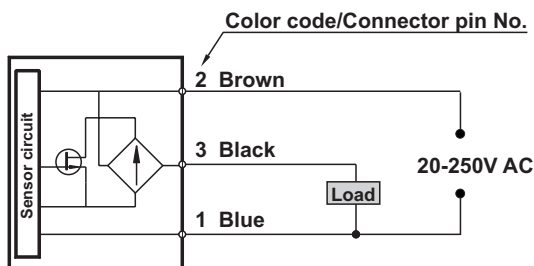


Connector pin position
(Micro-style)

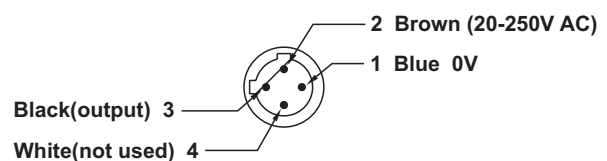


Receiver of thru-beam mode, retroreflective & diffuse reflective sensor (3-wire)

I/O circuit diagram

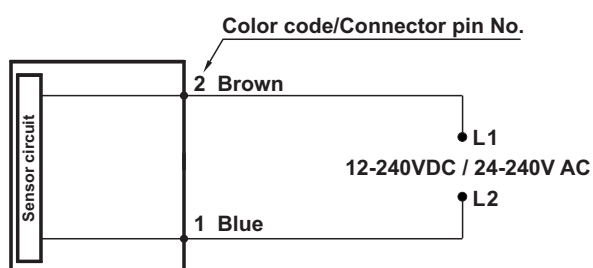


Connector pin position
(Micro-style)

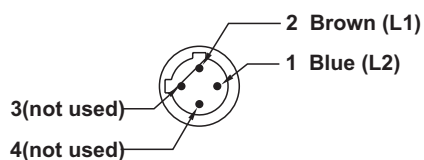


Emitter

I/O circuit diagram

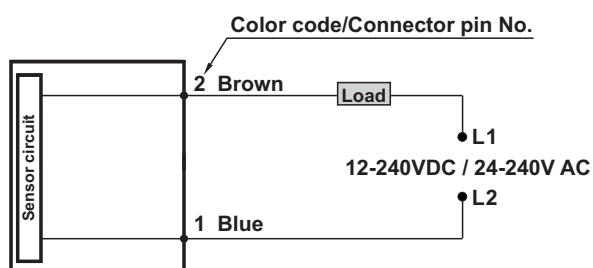


Connector pin position (Micro-style)

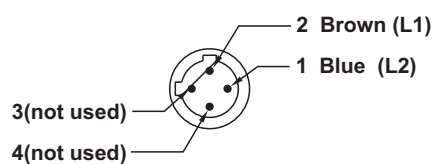


Receiver of thru-beam mode, retroreflective & diffuse reflective sensor

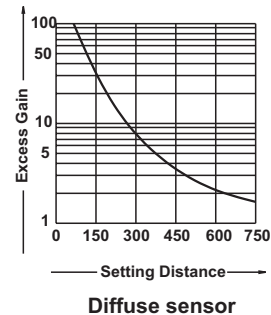
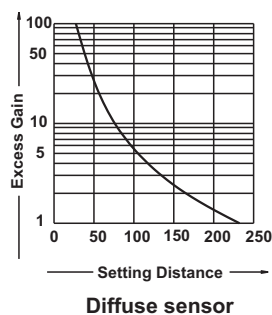
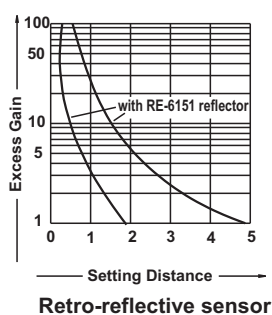
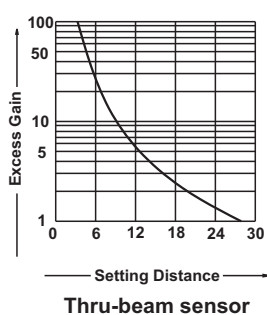
I/O circuit diagram



Connector pin position (Micro-style)

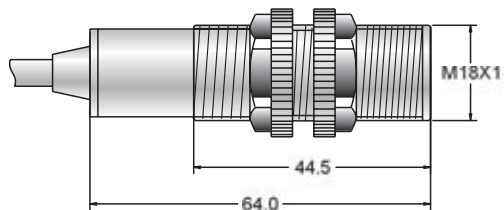


Sensing Characteristics (Typical)

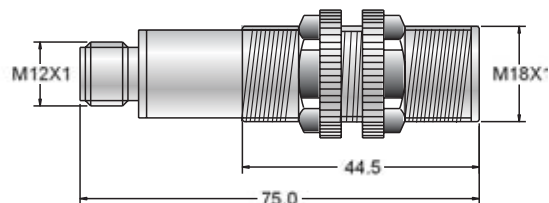


Dimensions (Plastic Housing)

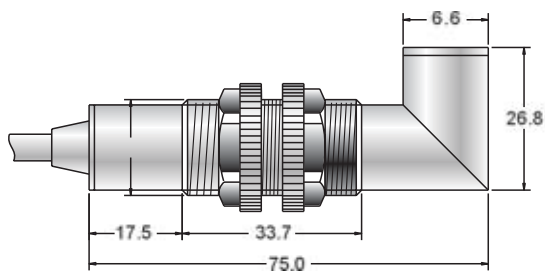
X-state, Cable version



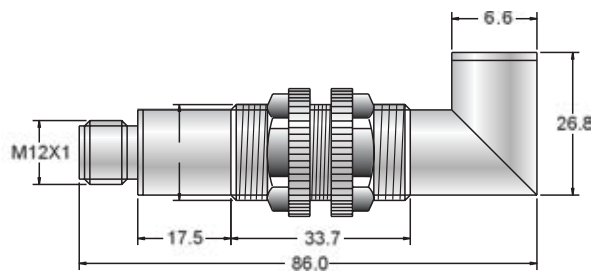
X-state, Euro-style quick connector



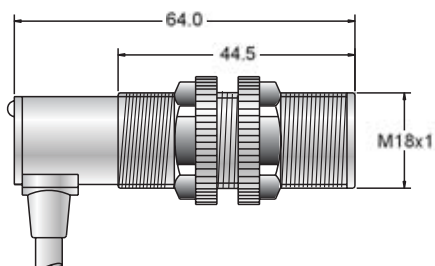
Z-state, Cable version



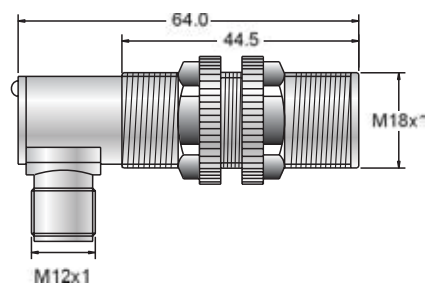
Z-state, Euro-style quick connector



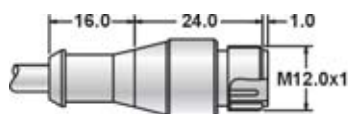
Y-state, Right Angle with Cable version



Y-state, Right Angle with QD connector Euro-style.



Euro-style quick connector for Pig-tail series

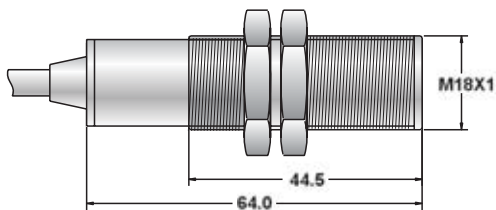


Pico-style quick connector for Pig-tail series

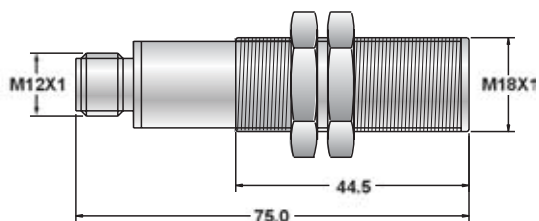


Dimensions (Brass Housing)

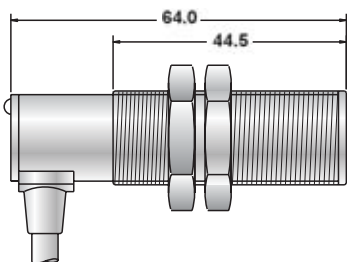
X-state, Cable version



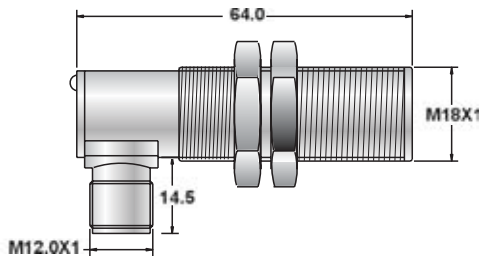
X-state, Euro-style quick connector



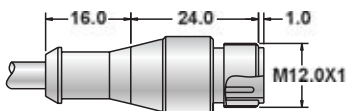
Y-state, Right Angle with Cable version



Y-state, Right Angle Euro-style quick connector



Euro-style quick connector for Pig-tail series



Pico-style quick connector for Pig-tail series

