

Inductive  
Magnetic Sensors



Housing Style	Part Number	ID Number	Features	Magnetic Actuation Strength (Gauss)	Output
<b>8 mm - Barrel, picrofast® Connector</b> 	BIM-EG08-AN6X-V1131	S4621303	Up to 78 mm Range w/DMR31-15-5 magnet	7.5 Typical	3-Wire DC NPN
	BIM-EG08-AP6X-V1131	S4621314	Up to 78 mm Range w/DMR31-15-5 magnet	7.5 Typical	3-Wire DC PNP
<b>8 mm - Barrel, eurofast® Connector</b> 	BIM-EG08-AN6X-H1341	S4621301	Up to 78 mm Range w/DMR31-15-5 magnet	7.5 Typical	3-Wire DC NPN
	BIM-EG08-AP6X-H1341	S4621311	Up to 78 mm Range w/DMR31-15-5 magnet	7.5 Typical	3-Wire DC PNP
	BIM-EG08-Y1X-H1341	S1074001	Up to 78 mm Range w/DMR31-15-5 magnet	7.5 Typical	2-Wire DC NAMUR
<b>8 mm - Barrel, Potted-In Cable</b> 	BIM-EG08-AN6X	S4621300	Up to 78 mm Range w/DMR31-15-5 magnet	7.5 Typical	3-Wire DC NPN
	BIM-EG08-AP6X	S4621310	Up to 78 mm Range w/DMR31-15-5 magnet	7.5 Typical	3-Wire DC PNP
	BIM-EG08-Y1X	S1074000	Up to 78 mm Range w/DMR31-15-5 magnet	7.5 Typical	2-Wire DC NAMUR

TURCK mold-on connectors available on all cable sensors. See page M25.



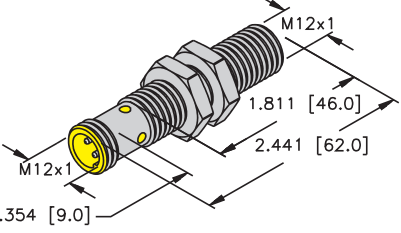
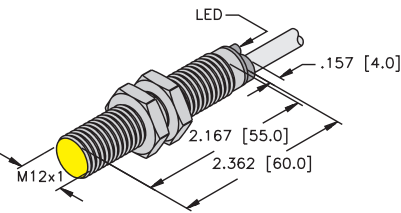
Voltage	Switching Freq. (Hz)	Operating Current (mA) VAC/VDC	Operating Temp. (°C)	Protection	Housing	Face	Power LED	Output LED	Mating Cord, Cable Length/Jacket	Wiring Diagram #	Wiring Diagrams
10-30 VDC	1000	≤150	-25 to +70	IP 67	SS	PA 12	N/A	YE	PKG 3Z-*	4	<b>Diagram 1</b> 
10-30 VDC	1000	≤150	-25 to +70	IP 67	SS	PA 12	N/A	YE	PKG 3Z-*	5	<b>Diagram 2</b> 
10-30 VDC	1000	≤150	-25 to +70	IP 67	SS	PA 12	N/A	YE	RK 4T-*	6	<b>Diagram 3</b> 
10-30 VDC	1000	≤150	-25 to +70	IP 67	SS	PA 12	N/A	YE	RK 4T-*	7	<b>Diagram 4</b> 
5-30 VDC	1000	Remote	-25 to +70	IP 67	SS	PA 12	N/A	YE	RK 4.21T-*	8	<b>Diagram 5</b> 
10-30 VDC	1000	≤150	-25 to +70	IP 67	SS	PA 12	N/A	YE	2M/PUR	1	<b>Diagram 6</b> 
10-30 VDC	1000	≤150	-25 to +70	IP 67	SS	PA 12	N/A	YE	2M/PUR	2	<b>Diagram 7</b> 
5-30 VDC	1000	Remote	-25 to +70	IP 67	SS	PA 12	N/A	YE	2M/PUR	3	<b>Diagram 8</b> 

\* Length in meters.

Magnetic Sensors

Specialty



Housing Style	Part Number	ID Number	Features	Magnetic Actuation Strength (Gauss)	Output
<b>12 mm - eurofast® Connector</b> 	BIM-M12E-AG4X-H1144	M1579910	Up to 90 mm Range w/DMR31-15-5 magnet	5 Typical	2-Wire DC
	BIM-M12E-AN4X-H1141	M1579914	Up to 90 mm Range w/DMR31-15-5 magnet	5 Typical	3-Wire DC NPN
	BIM-EM12E-AP4X-H1141	M1579915	Up to 90 mm Range	5 Typical	3-Wire DC PNP
	BIM-M12E-AP4X-H1141	M1579913	Up to 90 mm Range	5 Typical	
	BIM-EM18M-AP4X-H1141	M1579933	Up to 90 mm Range w/DMR31-15-5 magnet	5 Typical	
	BIM-M12E-Y1X-H1141	M1074003	Up to 90 mm Range w/DMR31-15-5 magnet	5 Typical	2-Wire DC NAMUR
<b>12 mm - Potted-In Cable</b> 	BIM-M12E-AG4X	M4430200	Up to 90 mm Range w/DMR31-15-5 magnet	5 Typical	2-Wire DC
	BIM-EM12E-AN4X	M1579922	Up to 90 mm Range	5 Typical	3-Wire DC NPN
	BIM-M12E-AN4X	M1579912	Up to 90 mm Range w/DMR31-15-5 magnet		
	BIM-EM12E-AP4X	M1579918	Up to 90 mm Range	5 Typical	3-Wire DC PNP
	BIM-M12E-AP4X/S90	M1579911	Up to 90 mm Range w/DMR31-15-5 magnet		
	BIM-EM12E-Y1X	M1070036	Up to 90 mm Range	5 Typical	2-Wire DC NAMUR
	BIM-M12E-Y1X	M1074002	Up to 90 mm Range w/DMR31-15-5 magnet	5 Typical	

TURCK mold-on connectors available on all cable sensors. See page M25.



Voltage	Switching Freq. (Hz)	Operating Current (mA) VAC/VDC	Operating Temp. (°C)	Protection	Housing	Face	Power LED	Output LED	Mating Cord, Cable Length/Jacket	Wiring Diagram #	Wiring Diagrams
10-65 VDC	300	≤200	-25 to +70	IP 67	CPB	POM	N/A	YE	RK 4.2T-*/S674	8	<p><b>Diagram 1</b></p> <p><b>Diagram 2</b></p>
10-65 VDC	1000	≤200	-25 to +70	IP 67	CPB	POM	N/A	YE	RK 4T-*	1	<p><b>Diagram 2</b></p>
10-65 VDC	1000	≤200	-25 to +70	IP 67	SS	POM	N/A	YE	RK 4T-*	2	<p><b>Diagram 3</b></p>
	1000	≤200	-25 to +70	IP 67	CPB	POM	N/A	YE	RK 4T-*	2	
	1000	≤200	-25 to +70	IP 67	CPB	POM	N/A	YE	RK 4T-*	2	
5-30 VDC	1000	Remote	-25 to +70	IP 67	CPB	POM	N/A	YE	RK 4.21T-*	3	<p><b>Diagram 4</b></p>
10-65 VDC	1000	≤100	-25 to +70	IP 67	CPB	POM	N/A	YE	2M/PUR	4	<p><b>Diagram 5</b></p>
10-65 VDC	1000	≤200	-25 to +70	IP 67	SS	POM	N/A	YE	2M/PVC	5	<p><b>Diagram 6</b></p>
	1000	≤200	-25 to +70	IP 67	CPB	POM	N/A	YE	2M/PUR	5	
10-65 VDC	1000	≤200	-25 to +70	IP 67	SS	POM	N/A	YE	2M/PVC	6	<p><b>Diagram 7</b></p>
	1000	≤200	-25 to +70	IP 67	CPB	POM	N/A	YE	2M/PUR	6	
5-30 VDC	1000	Remote	-25 to +70	IP 67	SS	POM	N/A	YE	2M/PUR	7	<p><b>Diagram 7</b></p>
	1000	Remote	-25 to +70	IP 67	CPB	POM	N/A	YE	2M/PUR	7	
5-30 VDC	1000	Remote	-25 to +70	IP 67	SS	POM	N/A	YE	2M/PUR	7	<p><b>Diagram 8</b></p>
	1000	Remote	-25 to +70	IP 67	CPB	POM	N/A	YE	2M/PUR	7	

\* Length in meters.

Magnetic Sensors

Specialty



Housing Style	Part Number	ID Number	Features	Magnetic Actuation Strength (Gauss)	Output
<b>18 mm - eurofast® Connector</b> 	BIM-EM18M-AP4X-H1141	M1579933	Up to 88 mm Sen. Range w/DMR31-15-5 magnet		3-Wire DC PNP

M12 and EG08 Barrel Housing	
<p>When using magnet part number DMR31-15-5, sensing ranges up to 90 mm with BIM-M12 and 78 mm with BIM-EG08 can be achieved. See Accessories section for magnet part numbers.</p>	

TURCK mold-on connectors available on all cable sensors. See page M25.



Voltage	Switching Freq. (Hz)	Operating Current (mA) VAC/VDC	Operating Temp. (°C)	Protection	Housing	Face	Power LED	Output LED	Mating Cord, Cable Length/Jacket	Wiring Diagram #	Wiring Diagrams
10-65 VDC	1000	≤200	-25 to +70	IP 67	SS	POM	N/A	YE	RK 4T-*	1	<p>Diagram 1</p>

\* Length in meters.

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