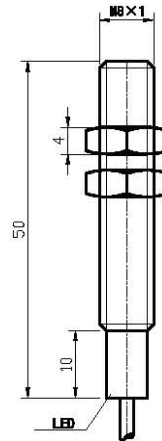


# Inductive proximity switches

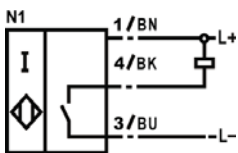
Bi1.5-8M50-N1  
1.5 mm embeddable



CE

Switching element function	NPN . NO Make function
Assured operating distance Sa	0 ... 1.215mm
Reduction factor $r_{V2A}$	0.75
Reduction factor $r_{Al}$	0.45
Reduction factor $r_{cu}$	0.35
Operating voltage $U_B$	10 ... 30V
Operating current $I_L$	0 ... 100mA
Switching frequency f	0 ... 1500Hz
No-load supply current $I_0$	$\leq 15$ mA
Voltage drop $U_d$	$\leq 3$ V
Short-circuit protection	Pulsing
Reverse polarity protection	protected against reverse polarity
Indication of the switching state	all direction LED,yellow
Ambient temperature	-25 ... 70°C (248 ... 343K)
Standards	IEC / EN 60947-5-2:2004
Protection degree	IP67
Connection type	2m , PVC cable
Core cross-section	0.14mm <sup>2</sup>
Housing material	brass,nickel-plated
Sensing face	PBT

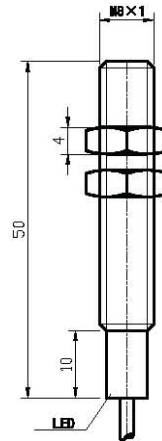
Connection type



# Inductive proximity switches

Bi1.5-8M50-N2

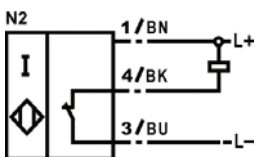
1.5 mm embeddable



CE

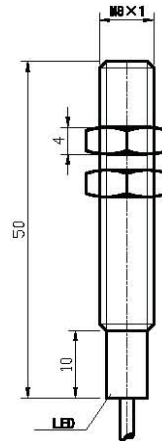
Switching element function	NPN . NC Make function
Assured operating distance Sa	0 ... 1.215mm
Reduction factor $r_{V2A}$	0.75
Reduction factor $r_{Al}$	0.45
Reduction factor $r_{cu}$	0.35
Operating voltage $U_B$	10 ... 30V
Operating current $I_L$	0 ... 100mA
Switching frequency f	0 ... 1500Hz
No-load supply current $I_0$	$\leq 15$ mA
Voltage drop $U_d$	$\leq 3$ V
Short-circuit protection	Pulsing
Reverse polarity protection	protected against reverse polarity
Indication of the switching state	all direction LED,yellow
Ambient temperature	-25 ... 70°C (248 ... 343K)
Standards	IEC / EN 60947-5-2:2004
Protection degree	IP67
Connection type	2m , PVC cable
Core cross-section	0.14mm <sup>2</sup>
Housing material	brass,nickel-plated
Sensing face	PBT

Connection type



# Inductive proximity switches

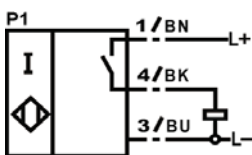
Bi1.5-8M50-P1  
1.5 mm embeddable



CE

Switching element function	PNP . NO Make function
Assured operating distance Sa	0 ... 1.215mm
Reduction factor $r_{V2A}$	0.75
Reduction factor $r_{AI}$	0.45
Reduction factor $r_{cu}$	0.35
Operating voltage $U_B$	10 ... 30V
Operating current $I_L$	0 ... 100mA
Switching frequency f	0 ... 1500Hz
No-load supply current $I_0$	$\leq 15$ mA
Voltage drop $U_d$	$\leq 3$ V
Short-circuit protection	Pulsing
Reverse polarity protection	protected against reverse polarity
Indication of the switching state	all direction LED,yellow
Ambient temperature	-25 ... 70°C (248 ...343K)
Standards	IEC / EN 60947-5-2:2004
Protection degree	IP67
Connection type	2m , PVC cable
Core cross-section	0.14mm <sup>2</sup>
Housing material	brass,nickel-plated
Sensing face	PBT

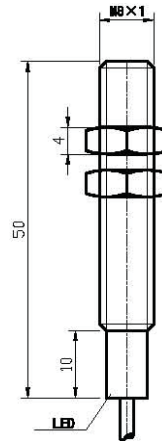
Connection type



# Inductive proximity switches

Bi1.5-8M50-P2

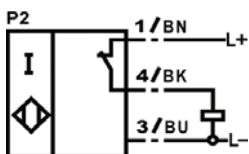
1.5 mm embeddable



CE

Switching element function	PNP . NC Make function
Assured operating distance Sa	0 ... 1.215mm
Reduction factor $r_{V2A}$	0.75
Reduction factor $r_{AI}$	0.45
Reduction factor $r_{cu}$	0.35
Operating voltage $U_B$	10 ... 30V
Operating current $I_L$	0 ... 100mA
Switching frequency f	0 ... 1500Hz
No-load supply current $I_0$	$\leq 15$ mA
Voltage drop $U_d$	$\leq 3$ V
Short-circuit protection	Pulsing
Reverse polarity protection	protected against reverse polarity
Indication of the switching state	all direction LED,yellow
Ambient temperature	-25 ... 70°C (248 ... 343K)
Standards	IEC / EN 60947-5-2:2004
Protection degree	IP67
Connection type	2m , PVC cable
Core cross-section	0.14mm <sup>2</sup>
Housing material	brass,nickel-plated
Sensing face	PBT

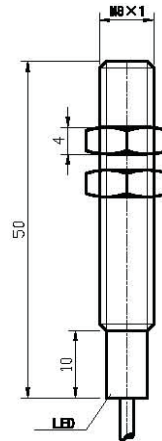
Connection type



# Inductive proximity switches

Bi1.5-8M50-ZO

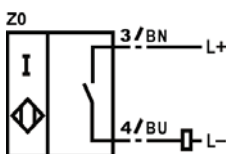
1.5 mm embeddable



CE

Switching element function	DC . NO Make function
Assured operating distance Sa	0 ... 1.21mm
Reduction factor $r_{V2A}$	0.64
Reduction factor $r_{AI}$	0.22
Reduction factor $r_{cu}$	0.16
Operating voltage $U_B$	10 ... 30V
Operating current $I_L$	2 ... 100mA
Switching frequency f	0 ... 1200Hz
Off-state current $I_r$	0 ... 0.5 mA typ.
Voltage drop Ud	≤5V
Short-circuit protection	Pulsing
Reverse polarity protection	tolerant
Indication of the switching state	all direction LED,yellow
Ambient temperature	-25 ... 70°C (248 ...343K)
Standards	IEC / EN 60947-5-2:2004
Protection degree	IP67
Connection type	2m , PVC cable
Core cross-section	0.14mm <sup>2</sup>
Housing material	brass,nickel-plated
Sensing face	PBT

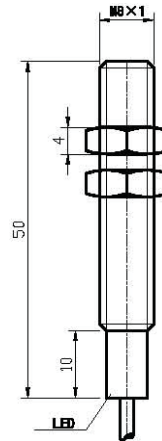
Connection type



# Inductive proximity switches

Bi1.5-8M50-Z1

1.5 mm embeddable



CE

Switching element function	DC . NC Make function
Assured operating distance Sa	0 ... 1.21mm
Reduction factor $r_{V2A}$	0.64
Reduction factor $r_{Al}$	0.22
Reduction factor $r_{cu}$	0.16
Operating voltage $U_B$	10 ... 30V
Operating current $I_L$	2 ... 100mA
Switching frequency f	0 ... 1200Hz
Off-state current $I_r$	0 ... 0.5 mA typ.
Voltage drop $U_d$	≤5V
Short-circuit protection	Pulsing
Reverse polarity protection	tolerant
Indication of the switching state	all direction LED,yellow
Ambient temperature	-25 ... 70°C (248 ...343K)
Standards	IEC / EN 60947-5-2:2004
Protection degree	IP67
Connection type	2m , PVC cable
Core cross-section	0.14mm <sup>2</sup>
Housing material	brass,nickel-plated
Sensing face	PBT

Connection type

