

# LN01A (02A,03A)

## Sensor Switches



### Sensor switches

**LN01A:** Suited for DN,GT,NT,RT series  
Bore  $\phi$  32,  $\phi$  40

**LN02A:** Suited for DN,GT,NT,RT series  
Bore  $\phi$  50,  $\phi$  63,  $\phi$  125

**LN03A:** Suited for DN,GT,NT,RT series  
Bore  $\phi$  80,  $\phi$  100,  $\phi$  160



### Specification

Type	LN_A	LN_AN	LN_AP
Characteristics			
Wiring method	2-Wire type	3-Wire type	
Switching logic	N.O	Solid state output, N.O	
Sensor type	Reed switch	NPN Current sinking	PNP Current sinking
Operating voltage	5~240V DC/AC	5~30V DC	
Switching current	100mA Max.	200mA Max.	
Contact rating	10W Max.	6W Max.	
Current consumption	-	OFF:7mA(24V) ON:20mA(24V) Max.	
Voltage drop	3V Max.	0.5V@200mA Max.	
Operating frequency	<2ms	<1ms	
Cable	3.3,2C,PVC	3.3,3C,PVC	
Indicator	Red LED	Red LED	Green LED
Protection grade	IP-67		
Operating Temp.	-10°C~70°C		
Protection circuit	None	Power Source Reverse polarity; Surge suppression	

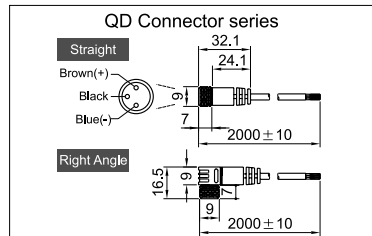
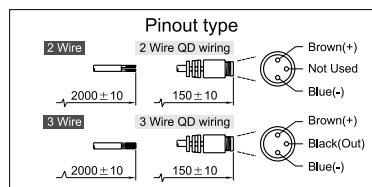
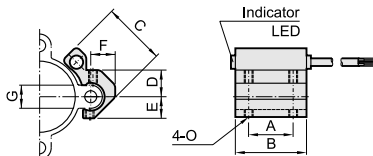
### How to order

LN01A	P	QD	L
Type	Sensor type	Pinout type	Connector series
	None: 2-wire P: 3-wire(PNP) N: 3-wire(NPN)	None: Cable QD: QD	None: Straight L: Right Angle

Note: This number can only be used for QD type.



### Dimensional features



### Dimensional Table

Type	A	B	C	D	E	F	G	O
LN01A	20	32	28.5	12	9.8	11	10.5	M4
LN02A	20	32	37.5	15	13.5	12	13.5	M4
LN03A	20	32	56	18	15	14	17	M4

### Sensor switches

LN01B(BN/BP): Suited for AS,DS,GT,ST,DQ,DB series  
Bore  $\phi$  12~ $\phi$  40

LN01G(GN/GP): Suited for DA,DO series  
Bore  $\phi$  20,  $\phi$  30,  $\phi$  40

LN01H(HN/HP): Suited for DO series  
Bore  $\phi$  20

LN01M(MN/MP): Suited for DP series  
Bore  $\phi$  6,  $\phi$  10,  $\phi$  16



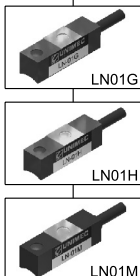
### Specification

Type	LN01B(G.H.M)	LN01B(G.H.M)N	LN01B(G.H.M)P
Connect diagram			
Characteristics			
Wiring method	2-Wire type	3-Wire type	
Switching logic	N.O	Solid state output, N.O	
Sensor type	Reed switch	NPN Current sinking	PNP Current sinking
Operating voltage	5~240V DC/AC	5~30V DC	
Switching current	100mA Max.	200mA Max.	
Contact rating	10W Max.	6W Max.	
Current consumption	-	OFF:7mA(24V) ON:20mA(24V) Max.	
Voltage drop	3V Max.	0.5V@200mA Max.	
Operating frequency	<2ms	<1ms	
Cable	3.3,2C,PVC	3.3,3C,PVC	
Indicator	Red LED	Red LED	Green LED
Protection grade	IP-67		
Operating Temp.	-10°C~70°C		
Protection circuit	None	Power Source Reverse polarity; Surge suppression	

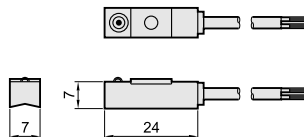
### How to order

LN01B	P	QD	L
Type	Sensor type	Pinout type	Connector series
	None: 2-wire P: 3-wire(PNP) N: 3-wire(NPN)	None: Cable QD: QD	None: Straight L: Right Angle

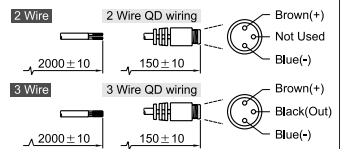
Note: This number can only be used for QD type.



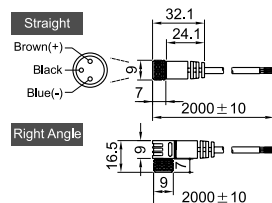
### Dimensional features



### Pinout type



### QD Connector series



## Sensor switches

LN01D(DN/DP): Suited for DJ series  
Bore  $\phi$  12~ $\phi$  100

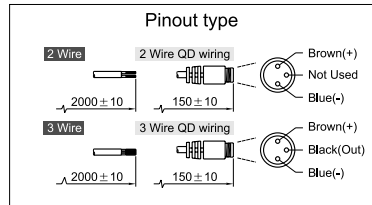
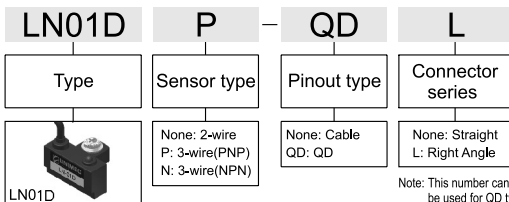
Suited for RTL series  
Bore  $\phi$  16~ $\phi$  30



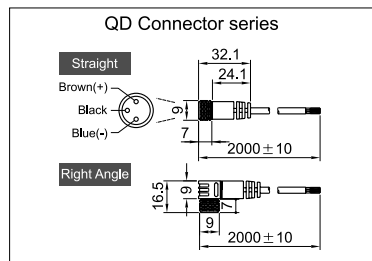
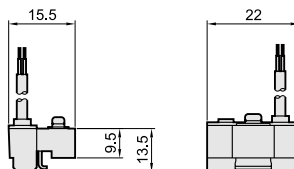
## Specification

Type	LN01D	LN01DN	LN01DP
Connect diagram			
Characteristics			
Wiring method	2-Wire type	3-Wire type	
Switching logic	N.O	Solid state output, N.O	
Sensor type	Reed switch	NPN Current sinking	PNP Current sinking
Operating voltage	5~240V DC/AC	5~30V DC	
Switching current	100mA Max.	200mA Max.	
Contact rating	10W Max.	6W Max.	
Current consumption	-	OFF:7mA(24V) ON:20mA(24V) Max.	
Voltage drop	3V Max.	0.5V@200mA Max.	
Operating frequency	<2ms	<1ms	
Cable	3.3,2C,PVC	3.3,3C,PVC	
Indicator	Red LED	Red LED	Green LED
Protection grade	IP-67		
Operating Temp.	-10°C~70°C		
Protection circuit	None	Power Source Reverse polarity; Surge suppression	

## How to order



## Dimensional features

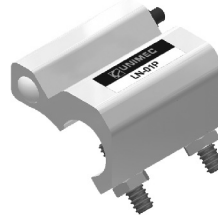


### Sensor switches

**LN01P(AN/AP):** Suited for DM series  
Bore  $\phi$  40,  $\phi$  50

**LN02P(AN/AP):** Suited for DM series  
Bore  $\phi$  63

**LN03P(AN/AP):** Suited for DM series  
Bore  $\phi$  80,  $\phi$  100



### Specification

Type	LN_P	LN_AN	LN_AP
Characteristics			
Wiring method	2-Wire type	3-Wire type	
Switching logic	Solid state output, N.O		
Sensor type	Reed switch	NPN Current sinking	PNP Current sinking
Operating voltage	10~220V DC/AC	5~30V DC	
Switching current	100mA Max.	200mA Max.	
Contact rating	10W Max.	6W Max.	
Current consumption	-	OFF:7mA(24V) ON:20mA(24V) Max.	
Voltage drop	3V Max.	0.5V@200mA Max.	
Operating frequency	<2ms	<1ms	
Cable	3.3,2C,PVC	3.3,3C,PVC	
Indicator	Red LED	Red LED	Green LED
Protection grade	IP-67		
Operating Temp.	-10°C~70°C		
Protection circuit	None	Power Source Reverse polarity; Surge suppression	

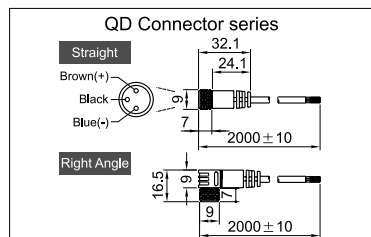
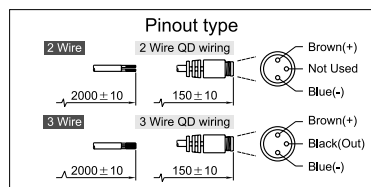
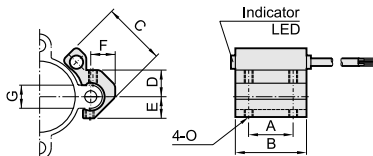
### How to order

<b>LN01P</b>	<b>QD</b>	<b>L</b>
Type	Pinout type	Connector series
	None: Cable QD: QD	None: Straight L: Right Angle

Note: This number can only be used for QD type.



### Dimensional features



### Dimensional Table

Type	A	B	C	D	E	F	G	O
LN01P	20	32	28.5	12	9.8	11	10.5	M4
LN02P	20	32	37.5	15	13.5	12	13.5	M4
LN03P	20	32	56	18	15	14	17	M4

## Sensor switches

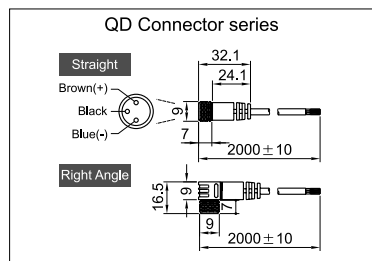
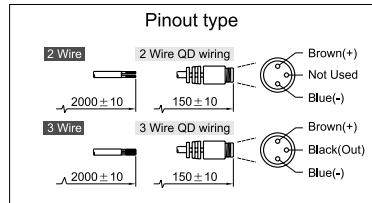
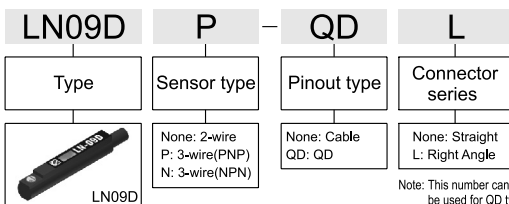
LN09D(DN/DP): Suited for DJ,CHU,GM,GP,DU series   
 Bore  $\phi 20 \sim \phi 100$



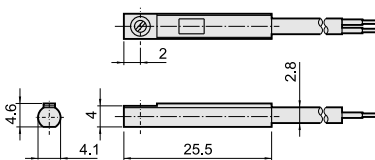
## Specification

Type	LN09D	LN09DN	LN09DP
Connect diagram			
Characteristics			
Wiring method	2-Wire type	3-Wire type	
Switching logic	N.O	Solid state output, N.O	
Sensor type	Reed switch	NPN Current sinking	PNP Current sinking
Operating voltage	5~120V DC/AC	5~30V DC	
Switching current	100mA Max.	200mA Max.	
Contact rating	10W Max.	6W Max.	
Current consumption	-	OFF:7mA(24V) ON:20mA(24V) Max.	
Voltage drop	2.5V Max.	0.5V@200mA Max.	
Operating frequency	<2ms	<1ms	
Cable	2.8,2C,PVC	2.8,3C,PVC	
Indicator	Red LED	Red LED	Green LED
Protection grade	IP-67		
Operating Temp.	-10°C~70°C		
Protection circuit	None	Power Source Reverse polarity; Surge suppression	

## How to order



## Dimensional features



# LN40R Sensor Switches



## Sensor switches

LN40R(RN/RP): Suited for TA series  
Bore  $\phi$  25-  $\phi$  63



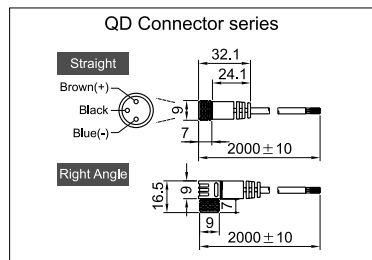
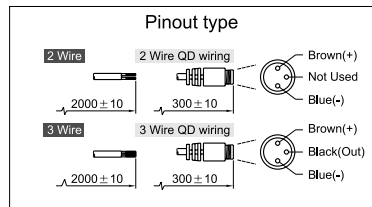
## Specification

Type	LN40R	LN40RN	LN40RP
Connect diagram			
Characteristics			
Wiring method	2-Wire type	3-Wire type	
Switching logic	N.O	Solid state output, N.O	
Sensor type	Reed switch	NPN Current sinking	PNP Current sinking
Operating voltage	5~120V DC/AC	5~30V DC	
Switching current	100mA Max.	200mA Max.	
Contact rating	10W Max.	3W Max.	
Current consumption	-	OFF:7mA(24V) ON:17mA(24V) Max.	
Voltage drop	2.5V Max.	1.5V@100mA Max.	
Operating frequency	<2ms	<1ms	
Cable	3,2C,PVC	3,3C,PVC	
Indicator	Red LED	Red LED	Yellow LED
Protection grade	IP-67		
Operating Temp.	-10°C~70°C		
Protection circuit	None	Power Source Reverse polarity; Surge suppression	

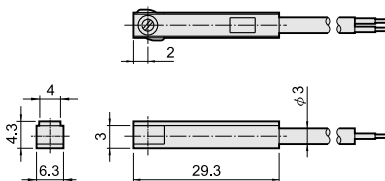
## How to order

<b>LN40R</b>	<b>P</b>	<b>QD</b>	<b>L</b>
Type	Sensor type	Pinout type	Connector series
	None: 2-wire P: 3-wire(PNP) N: 3-wire(NPN)	None: Cable QD: QD	None: Straight L: Right Angle

Note: This number can only be used for QD type.



## Dimensional features



LN

Spec

E-cata

Other

# LN48R (G,M)

## Sensor Switches



### Sensor switches

**LN48R(RN/RP):** Suited for AS,DS,GT,ST,DQ,DB series  
Bore  $\phi$  12- $\phi$  40

**LN48G:** Suited for DA series  
Bore  $\phi$  20,  $\phi$  30,  $\phi$  40



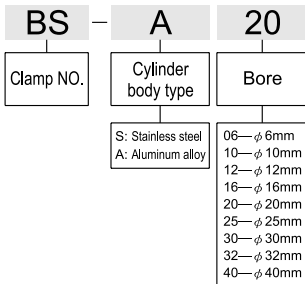
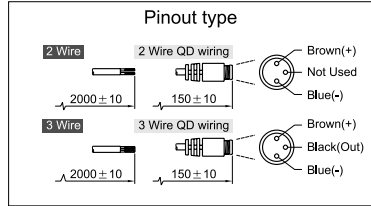
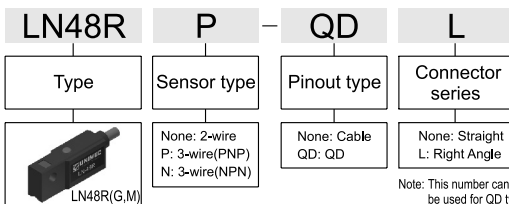
**LN48M:** Suited for DP series  
Bore  $\phi$  6,  $\phi$  10,  $\phi$  16



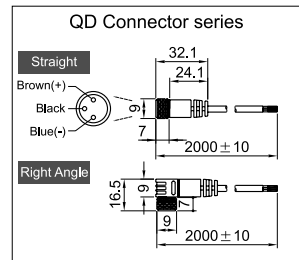
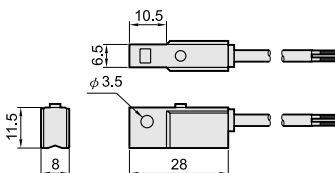
### Specification

Type	LN48R (G, M)	LN48RN	LN48RP
Connect diagram			
Characteristics			
Wiring method	2-Wire type	3-Wire type	
Switching logic	N.O	Solid state output, N.O	
Sensor type	Reed switch	NPN Current sinking	PNP Current sinking
Operating voltage	5~240V DC/AC	5~30V DC	
Switching current	100mA Max.	150mA Max.	
Contact rating	10W Max.	4.5W Max.	
Current consumption	-	OFF:7mA(24V) ON:20mA(24V) Max.	
Voltage drop	2.5V Max.	0.5V@200mA Max.	
Operating frequency	<2ms	<1ms	
Cable	3.3,2C,PVC	3.3,3C,PVC	
Indicator	Red LED	Red LED	Green LED
Protection grade	IP-67		
Operating Temp.	-10°C~70°C		
Protection circuit	None	Power Source Reverse polarity; Surge suppression	

### How to order



### Dimensional features



# LN32H Sensor Switches



## Sensor switches

LN32H(HN/HP): Suited for HC-M series  
Bore  $\phi$  32-  $\phi$  80

Suited for GS series  
Bore  $\phi$  6-  $\phi$  32



## Specification

Type	LN32H	LN32HN	LN32HP
Connect diagram			
Characteristics			
Wiring method	2-Wire type	3-Wire type	
Switching logic	N.O	Solid state output, N.O	
Sensor type	Reed switch	NPN Current sinking	PNP Current sinking
Operating voltage	5~240V DC/AC	10~30V DC	
Switching current	100mA Max.	200mA Max.	
Contact rating	10W Max.	3W Max.	
Current consumption	-	OFF:7mA(24V) ON:17mA(24V) Max.	
Voltage drop	3.5V Max.	2.0V Max.	
Operating frequency	<2ms	<1ms	
Cable	3.3,2C,PVC	3.3,3C,PVC	
Indicator	Red LED	Red LED	Yellow LED
Protection grade	IP-67		
Operating Temp.	-10°C~70°C		
Protection circuit	None	Power Source Reverse polarity; Surge suppression	

## How to order

<b>LN32H</b>	<b>P</b>	<b>QD</b>	<b>L</b>
Type	Sensor type	Pinout type	Connector series
	None: 2-wire P: 3-wire(PNP) N: 3-wire(NPN)	None: Cable QD: QD	None: Straight L: Right Angle

Note: This number can only be used for QD type.

### Pinout type

**2 Wire**

2 Wire QD wiring

**3 Wire**

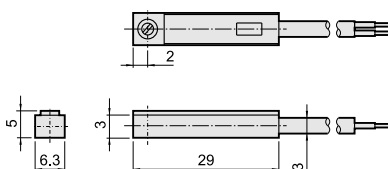
3 Wire QD wiring

### QD Connector series

**Straight**

**Right Angle**

## Dimensional features



LN

Spec

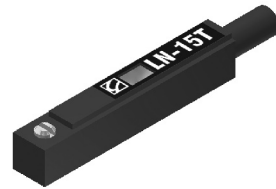
E-cata

Other



## Sensor switches

LN15T(TN/TP): Suited for CT series  
Bore  $\phi$  10~ $\phi$  32



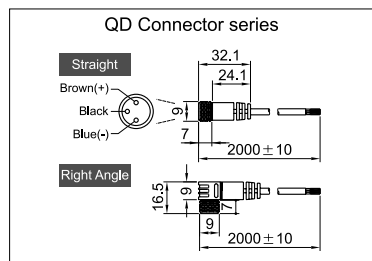
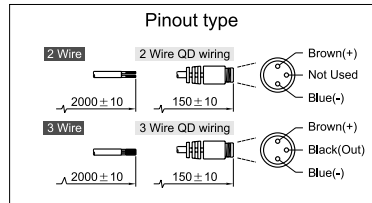
## Specification

Type	LN15T	LN15TN	LN15TP
Connect diagram			
Characteristics			
Wiring method	2-Wire type	3-Wire type	
Switching logic	N.O	Solid state output, N.O	
Sensor type	Reed switch	NPN Current sinking	PNP Current sinking
Operating voltage	5~120V DC/AC	5~30V DC	
Switching current	100mA Max.	200mA Max.	
Contact rating	10W Max.	6W Max.	
Current consumption	-	OFF:7mA(24V) ON:20mA(24V) Max.	
Voltage drop	2.5V Max.	0.5V@200mA Max.	
Operating frequency	<2ms	<1ms	
Cable	2.8,2C,PVC	2.8,3C,PVC	
Indicator	Red LED	Red LED	Green LED
Protection grade	IP-67		
Operating Temp.	-10°C~70°C		
Protection circuit	None	Power Source Reverse polarity; Surge suppression	

## How to order

LN15T	P	QD	L
Type	Sensor type	Pinout type	Connector series
	None: 2-wire P: 3-wire(PNP) N: 3-wire(NPN)	None: Cable QD: QD	None: Straight L: Right Angle

Note: This number can only be used for QD type.



## Dimensional features

