

TEMPERATURE RESISTANT UP TO +120°C (+248°F)

# EXTRA TEMPERATURE INDUCTIVE SENSORS

## KEY ADVANTAGES

- ✓ Temperature resistant up to +120°C (+248°F)
- ✓ Excellent long term reliability
- ✓ Outstanding accuracy

RANGE OVERVIEW	Housing size	Classics
EXTRA TEMPERATURE	M5	p. 107
	M8	p. 107
	M12	p. 107
	M18	p. 107

FAMILY

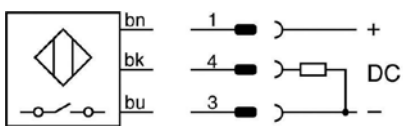
HOUSING SIZE

OPERATING DISTANCE MM

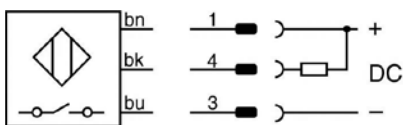
# INDUCTIVE

## WIRING DIAGRAMS

PNP NO



NPN NO



DATA

Housing material

Connection

Degree of protection

Mounting

Max. switching frequency

Supply voltage range

Ambient temperature range

Output current

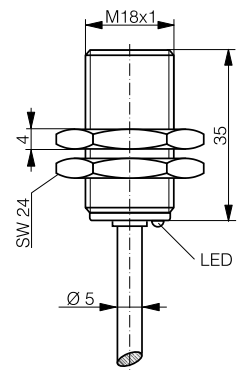
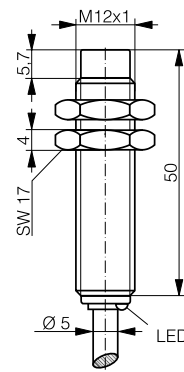
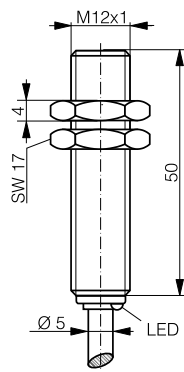
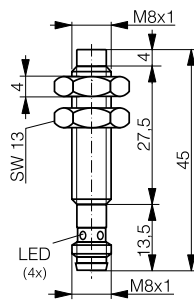
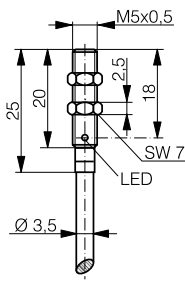
PNP NO

NPN NO

Other types available

# EXTRA TEMPERATURE

CLASSICS	CLASSICS	CLASSICS	CLASSICS	CLASSICS	Inductive
M5	M8	M12	M12	M18	
0.8	4	2	4	5	



Photoelectric

Ultrasonic

Capacitive

Safety

RFID

Connectivity

Accessories

Glossary

Index

Stainless steel V2A	Stainless steel V2A	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
Silicone cable 2 m	Connector S8	PVC cable 6 m	PVC cable 5 m	PUR cable 2 m
IP 67	IP 67	IP 67	IP 67	IP 67
Embeddable	Non-embeddable	Embeddable	Non-embeddable	Embeddable
5000 Hz	3500 Hz	3000 Hz	2000 Hz	2000 Hz
10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC
-25...+120°C / -13...+248°F	0...+85°C / +32 ...+185°F	-25...+100°C / -13...+212°F	-25...+100°C / -13...+212°F	-40...+100°C / -40...+212°F
≤ 200 mA	≤ 200 mA	≤ 200 mA	≤ 200 mA	≤ 200 mA
<b>DW-AD-603-M5-735</b>	<b>DW-AS-633-M8-732</b>	<b>DW-AD-603-M12-734</b>	<b>DW-AD-613-M12-733</b>	<b>DW-AD-603-M18-718</b>
<b>DW-AD-601-M5-735</b>				



TEMPERATURE RESISTANT UP TO +230°C (+446°F)



# HIGH TEMPERATURE INDUCTIVE SENSORS

## KEY ADVANTAGES

- ✓ Models with external electronics for temperatures of up to +230°C (+446°F)
- ✓ Models with integrated electronics for temperatures of up to +180°C (+356°F)
- ✓ Excellent long term reliability

### RANGE OVERVIEW

### Housing size

### Classics

## HIGH TEMPERATURE

M8	p. 111
M12	p. 111
M18	p. 111
M30	p. 111
M50	p. 112

FAMILY

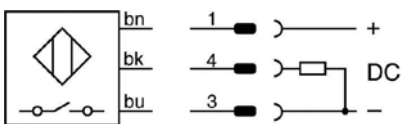
HOUSING SIZE

OPERATING DISTANCE MM

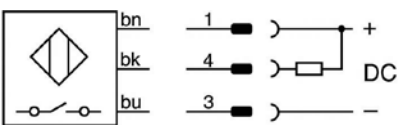
# INDUCTIVE

## WIRING DIAGRAMS

PNP NO



NPN NO



DATA

Amplifier

Housing material

Connection

Degree of protection

Mounting

Max. switching frequency

Supply voltage range

Ambient temperature range

Output current

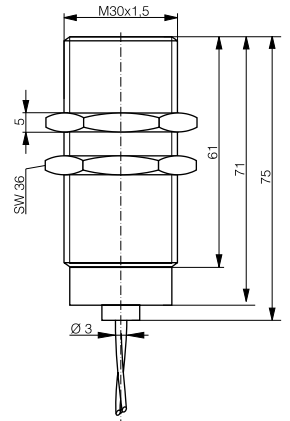
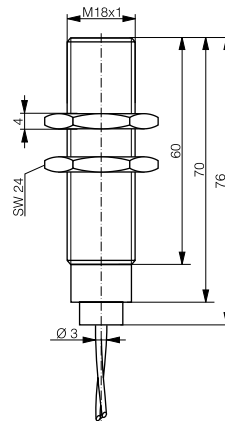
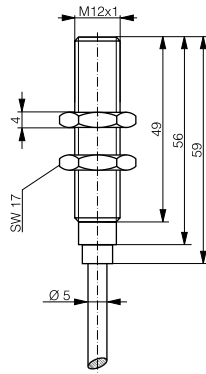
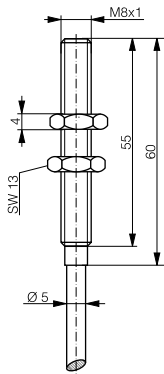
PNP NO

NPN NO

Other types available

# HIGH TEMPERATURE

CLASSICS	CLASSICS	CLASSICS	CLASSICS
M8	M12	M18	M30
2	3	5	10



Inductive

Photoelectric

Ultrasonic

Capacitive

Safety

RFID

Connectivity

Accessories

Glossary

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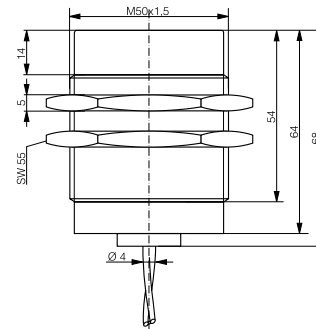
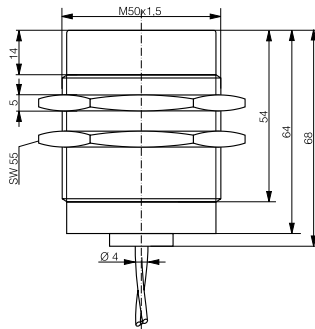
Built-in	Built-in	Built-in	Built-in
Stainless steel V2A	Stainless steel V2A	Stainless steel V2A	Stainless steel V2A
Silicone cable 2 m	Silicone cable 2 m	Teflon cable 2 m	Teflon cable 2 m
IP 67	IP 67	IP 67	IP 67
Embeddable	Embeddable	Embeddable	Embeddable
600 Hz	500 Hz	400 Hz	200 Hz
10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC
0 ... +140°C / +32 ... +280°F	0 ... +150°C / +32 ... +300°F	0 ... +180°C / +32 ... +350°F	0 ... +180°C / +32 ... +350°F
120 mA (≤ 100°C) / 80 mA (> 100°C)	120 mA (≤ 100°C) / 70 mA (> 100°C)	≤ 150 mA	≤ 150 mA
<b>DW-HD-623-M8-100</b>	<b>DW-HD-603-M12-200</b>	<b>DW-HD-603-M18-310</b>	<b>DW-HD-603-M30-310</b>
<b>DW-HD-621-M8-100</b>	<b>DW-HD-601-M12-200</b>	<b>DW-HD-601-M18-310</b>	<b>DW-HD-601-M30-310</b>
PNP NC, NPN NC	PNP NC, NPN NC	PNP NC, NPN NC	PNP NC, NPN NC



# HIGH TEMPERATURE

## INDUCTIVE

FAMILY	CLASSICS	CLASSICS
HOUSING SIZE	M50	M50
OPERATING DISTANCE MM	25	25



DATA		
Amplifier	External	External
Housing material	Stainless steel V2A	Stainless steel V2A
Connection	Teflon cable 5 m	Teflon cable 20 m
Degree of protection	IP 67	IP 67
Mounting	Non-embeddable	Non-embeddable
Max. switching frequency	150 Hz	150 Hz
Supply voltage range	10 ... 30 VDC (amplifier)	10 ... 30 VDC (amplifier)
Ambient temperature range	-40 ... +230°C / -40 ... +440°F	0 ... +230°C / + 32 ... +440°F
Output current	≤ 200 mA (amplifier)	≤ 200 mA (amplifier)
PNP NO	<b>DW-HD-613-M50-511</b>	<b>DW-HD-613-M50-503</b>
Other types available	For other cable lengths please ask	For other cable lengths please ask