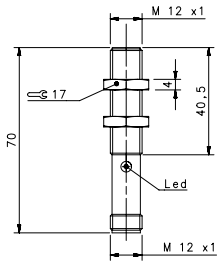
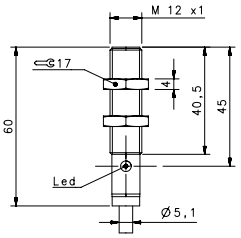
INDUCTIVE AC M12







STANDARD VAC

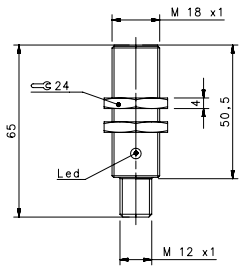
FLUSH

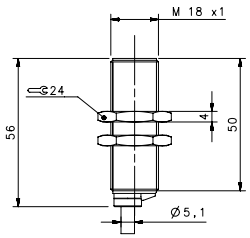
				M12 conn	cable
NOMINAL SWITCHING DISTANCE				2 mm	2 mm
10-30 Vdc	PNP/NPN NO-NC	4 wires		---	---
			order No.	---	---
10-30 Vdc	PNP NO	3 wires		---	---
			order No.	---	---
10-30 Vdc	PNP NC	3 wires		---	---
			order No.	---	---
10-30 Vdc	NPN NO	3 wires		---	---
			order No.	---	---
10-30 Vdc	NPN NC	3 wires		---	---
			order No.	---	---
10-30 Vdc	PNP NO-NC	4 wires		---	---
			order No.	---	---
10-30 Vdc	NPN NO-NC	4 wires		---	---
			order No.	---	---
10-30 Vdc	NO-NC	2 wires		---	---
			order No.	---	---
20-250 Vac/Vdc	NO	2 wires		---	---
			order No.	---	---
20-250 Vac/Vdc	NC	2 wires		---	---
			order No.	---	---
20-250 Vac	NO	2/3wires		IS-12-A15-S2	IS-12-A15-03
			order No.	95B060690	95B060680
10-30 Vdc	Analog 0-20 mA	3 wires		---	---
			order No.	---	---
NAMUR amplifier	NAMUR	2 wires		---	---
			order No.	---	---

Nominal Voltage	20+250 Vac (50,60 Hz)	20+250 Vac (50,60 Hz)
Residual Ripple	< 10%	< 10%
Hysteresis	< 10%	< 10%
Max. Output Current	500 mA, inrush:1,5A	500 mA, inrush:1,5A
Min. Output Current	20 mA	20 mA
Residual Current	< 0,7 mA	< 0,7 mA
Voltage Drop	< 4 V (I=100mA)	< 4 V (I=100mA)
Operation Led	Yellow	Yellow
Switching Frequency	25 Hz	25 Hz
Start Up Delay	< 300 ms	< 300 ms
Repeatability	5%	5%
Short Circuit Protection	Present (self-resetting)	Present (self-resetting)
Electric Protection	Against polarity reversal inductive loads	Against polarity reversal inductive loads
Temperature Limit	(-25 ... +70 °C)	(-25 ... +70 °C)
Protection Degree	IP67	IP67
Cable Length	---	2 m
Cable Section	---	2 x 0,25 mm²
Housing Material	Nickel-plated brass	Nickel-plated brass
Active face	PA 16	PA 16
Tightening torque	* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog
Weight - Cable Output	---	145g
Weight - Connector Output	95g	---

INDUCTIVE AC M18







STANDARD VAC

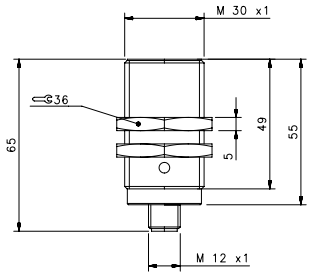
FLUSH

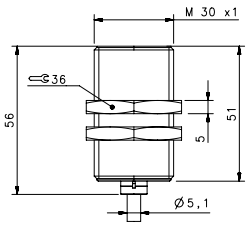
				M12 conn	cable
NOMINAL SWITCHING DISTANCE				**5 mm**	**5 mm**
10-30 Vdc	PNP/NPN NO-NC	4 wires		---	---
			order No.	---	---
10-30 Vdc	PNP NO	3 wires		---	---
			order No.	---	---
10-30 Vdc	PNP NC	3 wires		---	---
			order No.	---	---
10-30 Vdc	NPN NO	3 wires		---	---
			order No.	---	---
10-30 Vdc	NPN NC	3 wires		---	---
			order No.	---	---
10-30 Vdc	PNP NO-NC	4 wires		---	---
			order No.	---	---
10-30 Vdc	NPN NO-NC	4 wires		---	---
			order No.	---	---
10-30 Vdc	NO-NC	2 wires		---	---
			order No.	---	---
20-250 Vac/Vdc	NO	2 wires		---	---
			order No.	---	---
20-250 Vac/Vdc	NC	2 wires		---	---
			order No.	---	---
20-250 Vac	NO	2/3 wires		IS-18-A15-S2	IS-18-A15-03
			order No.	95B060780	95B060770
10-30 Vdc	Analog 0-20 mA	3 wires		---	---
			order No.	---	---
NAMUR amplifier	NAMUR	2 wires		---	---
			order No.	---	---

Nominal Voltage	20+250 Vac (50,60 Hz)	20+250 Vac (50,60 Hz)
Residual Ripple	< 10%	< 10%
Hysteresis	< 10%	< 10%
Max. Output Current	500 mA, inrush:1,5A	500 mA, inrush:1,5A
Min. Output Current	20 mA	20 mA
Residual Current	< 0,7 mA	< 0,7 mA
Voltage Drop	< 4 V (I=100mA)	< 4 V (I=100mA)
Operation Led	Yellow	Yellow
Switching Frequency	25 Hz	25 Hz
Start Up Delay	< 300 ms	< 300 ms
Repeatability	5%	5%
Short Circuit Protection	Present (self-resetting)	Present (self-resetting)
Electric Protection	Against polarity reversal inductive loads	Against polarity reversal inductive loads
Temperature Limit	(-25 ... +70 °C)	(-25 ... +70 °C)
Protection Degree	IP67	IP67
Cable Length	---	2 m
Cable Section	---	2 x 0,25 mm^2
Housing Material	Nickel-plated brass	Nickel-plated brass
Active face	PA 16	PA 16
Tightening torque	* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog
Weight - Cable Output	---	145g
Weight - Connector Output	95g	---

INDUCTIVE AC M30







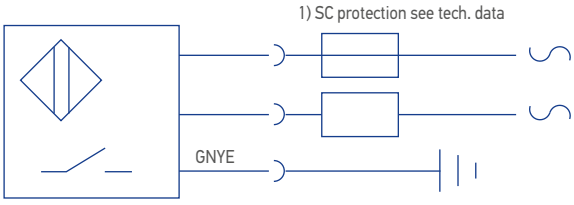
STANDARD VAC

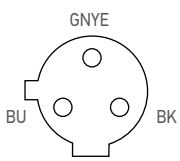
FLUSH

				M12 conn	cable
NOMINAL SWITCHING DISTANCE				**10 mm**	**10 mm**
10-30 Vdc	PNP/NPN NO-NC	4 wires		---	---
			order No.	---	---
10-30 Vdc	PNP NO	3 wires		---	---
			order No.	---	---
10-30 Vdc	PNP NC	3 wires		---	---
			order No.	---	---
10-30 Vdc	NPN NO	3 wires		---	---
			order No.	---	---
10-30 Vdc	NPN NC	3 wires		---	---
			order No.	---	---
10-30 Vdc	PNP NO-NC	4 wires		---	---
			order No.	---	---
10-30 Vdc	NPN NO-NC	4 wires		---	---
			order No.	---	---
10-30 Vdc	NO-NC	2 wires		---	---
			order No.	---	---
20-250 Vac/Vdc	NO	2 wires		---	---
			order No.	---	---
20-250 Vac/Vdc	NC	2 wires		---	---
			order No.	---	---
20-250 Vac	NO	2/3wires		IS-30-A15-S2	IS-30-A15-03
			order No.	95B060820	95B060810
10-30 Vdc	Analog 0-20 mA	3 wires		---	---
			order No.	---	---
NAMUR amplifier	NAMUR	2 wires		---	---
			order No.	---	---

Nominal Voltage	20+250 Vac (50,60 Hz)	20+250 Vac (50,60 Hz)
Residual Ripple	< 10%	< 10%
Hysteresis	< 10%	< 10%
Max. Output Current	500 mA, inrush:1,5A	500 mA, inrush:1,5A
Min. Output Current	20 mA	20 mA
Residual Current	< 0,7 mA	< 0,7 mA
Voltage Drop	< 4 V (I=100mA)	< 4 V (I=100mA)
Operation Led	Yellow	Yellow
Switching Frequency	25 Hz	25 Hz
Start Up Delay	< 300 ms	< 300 ms
Repeatability	5%	5%
Short Circuit Protection	Present (self-resetting)	Present (self-resetting)
Electric Protection	Against polarity reversal inductive loads	Against polarity reversal inductive loads
Temperature Limit	(-25 ... +70 °C)	(-25 ... +70 °C)
Protection Degree	IP67	IP67
Cable Length	---	2 m
Cable Section	---	2 x 0,25 mm²
Housing Material	Nickel-plated brass	Nickel-plated brass
Active face	PA 16	PA 16
Tightening torque	* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog
Weight - Cable Output	---	145g
Weight - Connector Output	95g	---

Inductive AC





Double key connector for inductive AC sensors

Stainless Steel housing

LCP active face

Short length

Operating distance 0.8 ... 15 mm

M5, M8, M12, M30

Cable, M8 or M12 connector

2 wires

IP67 protection

REDUCTION FACTOR

	ALUMINUM (25°C)	STAINLESS STEEL AISI316L	COPPER	BRASS
FLUSH	0,3...0,5	0,7...0,9	0,2...0,5	0,4...0,6
NON-FLUSH	0,4...0,6	0,7...1,05	0,4...0,5	0,5...0,7

M12/18/30 FLUSH models are ATEX certified
I I 3G EX nA II T6
I I 3D EX tD A22 IP67 T85°C