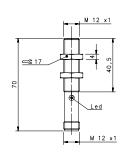
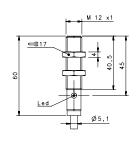
INDUCTIVE AC M12





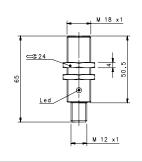


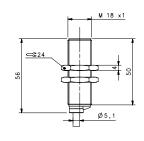
				STANDA	ARD VAC	
				FLUSH		
				M12 conn	cable	
NOMINAL SWITC	HING DISTAN	ICE		2 mm	2 mm	
10-30 Vdc	PNP/NPN	4 wires				
10-30 Vac	NO-NC		order No.			
10-30 Vdc	PNP	2 wiros				
10-30 vuc	N0	3 WIIES	order No.			
10-30 Vdc	NC	3 wires				
10-30 vac			order No.			
10-30 Vdc	NPN	3 wires				
10-30 vuc	N0		order No.			
10-30 Vdc	NPN	3 wires				
10 30 vac	NC		order No.			
10-30 Vdc	PNP	4 wires				
10 00 140	NO-NC	4 111103	order No.			
10-30 Vdc	NPN	4 wires				
	NO-NC		order No.			
10-30 Vdc	NO-NC	2 wires				
		3 wires 3 wires 3 wires 4 wires 4 wires 4 wires 2 wires 2 wires 2 wires 2 wires 2/3 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-12-A15-S2	IS-12-A15-03	
			order No.	95B060690	95B060680	
10-30 Vdc	Analog 0-20	3 wires				
	mA		order No.			
NAMUR amplifier	NAMUR	2 wires				
		2 111103	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	
Ain. 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 M18





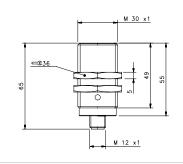


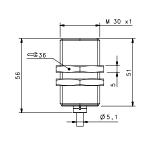
				STANDARD VAC			
				FLUSH			
				M12 conn	cable		
NOMINAL SWITCHING DISTANCE				5 mm	5 mm		
	PNP/NPN	4 wires					
	NO-NC		order No.				
10-30 Vdc	PNP	3 wires					
	N0		order No.				
0-30 Vdc	PNP	3 wires					
	NC NC		order No.				
0-30 Vdc	NPN	3 wires					
	NU		order No.				
0-30 Vdc	NPN	3 wires					
	NC		order No.				
0-30 Vdc	PNP	4 wires					
	NO-NC		order No.				
0-30 Vdc	NPN	4 wires					
	NO-NC		order No.				
0-30 Vdc	NO-NC	2 wires					
	30 Vac INO-INC		order No.				
0-250 Vac/Vdc	NO	2 wires					
200 140, 140	110	2 111103	order No.				
0-250 Vac/Vdc	NC	2 wires					
200 146, 146	110	2 111103	order No.				
0-250 Vac	NO	2/3 wires		IS-18-A15-S2	IS-18-A15-03		
0 230 Vac	110		order No.	95B060780	95B060770		
0-30 Vdc	Analog 0-20 mA	3 wires					
10-30 vuc			order No.				
IAMUR amplifier	NAMUR	2 wires					
		2 111100	order No.				
ominal Voltage				20+250 Vac (50,60 Hz)	20+250 Vac (50,60 Hz)		
esidual Ripple				< 10%	< 10%		
ysteresis				< 10%	< 10%		
lax. Output Current				500 mA, inrush:1,5A	500 mA, inrush:1,5A		
lin. Output Current				20 mA	20 mA		
esidual Current				< 0,7 mA	< 0,7 mA		
oltage Drop				< 4 V (I=100mA)	< 4 V (I=100mA)		
peration Led				Yellow	Yellow		
witching Frequenc	y			25 Hz	25 Hz		
tart Up Delay				< 300 ms	< 300 ms		
epeatability				5%	5%		
hort Circuit Protec	tion			Present (self-resetting)	Present (self-resetting)		
Electric Protection				Against polarity reversal inductive loads	Against polarity reversal inductive loads		
emperature Limit				(-25 +70 °C)	(-25 +70 °C)		
rotection Degree				IP67	IP67		
able Length					2 m		
able Section					2 x 0,25 mm ²		
lousing Material				Nickel-plated brass	Nickel-plated brass		
ctive face				PA 16	PA 16		
ightening torque				* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog		
Veight - Cable Outpu	ut				145g		
W. t. L. C	0			0E	, , , , , , , , , , , , , , , , , , ,		

Weight - Connector Output

INDUCTIVE AC M30

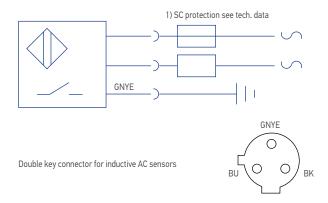






				STANDARD VAC			
				FLUSH			
				M12 conn	cable		
NOMINAL SWITCHING DISTANCE				10 mm	10 mm		
10.001/1	PNP/NPN	, .					
10-30 Vdc	NO-NC	4 wires	order No.				
o 20 Vd- PNP	PNP	3 wires					
0-30 Vdc	N0		order No.				
0-30 Vdc	PNP						
NC NC		3 wires	order No.				
10-30 Vdc	NPN	2					
0-30 vac	N0	3 wires	order No.				
0-30 Vdc	NPN	3 wires					
0-30 Vac	NC	3 WILES	order No.				
0-30 Vdc	PNP	4 wires					
0-30 vac	NO-NC		order No.				
0-30 Vdc	NPN	4 wires					
o oo vuc	NO-NC		order No.				
0-30 Vdc	NO-NC	2 wires					
-SU VAC NU-NU		2 WII CS	order No.				
20-250 Vac/Vdc	NO	2 wires					
.0-230 vac/ vac	INO	2 WII CS	order No.				
20-250 Vac/Vdc	NC	2 wires					
.0 200 146, 146	110	2 WIICS	order No.				
0-250 Vac	NO	2/3 wires		IS-30-A15-S2	IS-30-A15-03		
10-230 Vac	110		order No.	95B060820	95B060810		
0-30 Vdc	Analog 0-20	3 wires					
0 30 vac	mA		order No.				
NAMUR amplifier	NAMUR	2 wires					
			order No.				
Iominal Voltage				20+250 Vac (50,60 Hz)	20+250 Vac (50,60 Hz)		
Residual Ripple				< 10%	< 10%		
lysteresis				< 10%	< 10%		
Max. Output Current				500 mA, inrush:1,5A	500 mA, inrush:1,5A		
Min. Output Current	t			20 mA	20 mA		
Residual Current				< 0,7 mA	< 0,7 mA		
oltage Drop				< 4 V (I=100mA)	< 4 V (I=100mA)		
Operation Led				Yellow	Yellow		
Santa a Maria - Francisco				25 Hz	25 Hz		
	су			. 200	. 200		
Start Up Delay	cy			< 300 ms	< 300 ms		
Start Up Delay Repeatability				5%	5%		
Start Up Delay Repeatability				5% Present (self-resetting)	5% Present (self-resetting)		
Start Up Delay Repeatability Short Circuit Protection				5% Present (self-resetting) Against polarity reversal inductive loads	5% Present (self-resetting) Against polarity reversal inductive loads		
itart Up Delay Repeatability Short Circuit Protection Electric Protection				5% Present (self-resetting) Against polarity reversal inductive loads (-25 +70 °C)	5% Present (self-resetting) Against polarity reversal inductive loads (-25 +70 °C)		
itart Up Delay tepeatability short Circuit Protec electric Protection emperature Limit protection Degree				5% Present (self-resetting) Against polarity reversal inductive loads (-25 +70 °C) IP67	5% Present (self-resetting) Against polarity reversal inductive loads (-25 +70 °C) IP67		
Start Up Delay Repeatability Short Circuit Protect Selectric Protection Semperature Limit Protection Degree Cable Length				5% Present (self-resetting) Against polarity reversal inductive loads (-25 +70 °C) IP67	5% Present (self-resetting) Against polarity reversal inductive loads (-25 +70 °C) IP67 2 m		
Start Up Delay Repeatability Short Circuit Protect Electric Protection Femperature Limit Protection Degree Cable Length Cable Section				5% Present (self-resetting) Against polarity reversal inductive loads (-25 +70 °C) IP67	5% Present (self-resetting) Against polarity reversal inductive loads (-25 +70 °C) IP67 2 m 2 x 0,25 mm²		
Start Up Delay Repeatability Short Circuit Protect Flectric Protection Femperature Limit Protection Degree Cable Length Cable Section Housing Material				5% Present (self-resetting) Against polarity reversal inductive loads (-25 +70 °C) IP67 Nickel-plated brass	5% Present (self-resetting) Against polarity reversal inductive loads (-25 +70 °C) IP67 2 m 2 x 0,25 mm² Nickel-plated brass		
Start Up Delay Repeatability Short Circuit Protect Selectric Protection Semperature Limit Protection Degree Cable Length Cable Section Housing Material Letive face				5% Present (self-resetting) Against polarity reversal inductive loads (-25 +70 °C) IP67 Nickel-plated brass PA 16	5% Present (self-resetting) Against polarity reversal inductive loads (-25 +70 °C) IP67 2 m 2 x 0,25 mm² Nickel-plated brass PA 16		
Switching Frequence Start Up Delay Repeatability Short Circuit Protection Temperature Limit Protection Degree Cable Length Cable Section Housing Material Active face Tightening torque Weight - Cable Outp	ction			5% Present (self-resetting) Against polarity reversal inductive loads (-25 +70 °C) IP67 Nickel-plated brass	5% Present (self-resetting) Against polarity reversal inductive loads (-25 +70 °C) IP67 2 m 2 x 0,25 mm² Nickel-plated brass		

Inductive AC



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	0,30,5	0,70,9	0,20,5	0,40,6
NON-FLUSH	0,40,6	0,71,05	0,40,5	0,50,7







