

NAMUR FLUSH

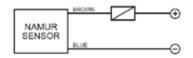
cable

NOMINAL SWITCHING DISTANCE

NOMINAL SWITCH	IING DISTAN	CE		0,8 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	order No.	
10-30 Vdc	Analog 0-20 mA	3 wires	order No.	
NAMUR amplifier	NAMUR	2 wires	order No.	IS-05-A20-03 95B065410

Nominal Voltage 6+12 V DC **Residual Ripple** ----Hysteresis < 10% Max. Output Current < 3 mA (metal absent) Min. Output Current < 1 mA (metal present) **Residual** Current ----Voltage Drop ----Operation Led ---Switching Frequency 2000 Hz Start Up Delay < 10 ms Repeatability ---Short Circuit Protection Present (self-resetting) Against polarity reversal Electric Protection inductive loads Temperature Limit (-25 ... +70 °C) Protection Degree IP67 2 m (PVC) Cable Length Cable Section 2x 0,15 mm² Housing Material Stainless-Steel Active face LCP Tightening torque 1,5Nm Weight - Cable Output 25g

2 wires NAMUR



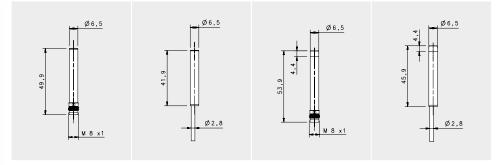
M8 2 wires NAMUR

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CONT. Available	A REAL PROPERTY AND ADDRESS OF	Contractor Information	

Weight - Connector Output

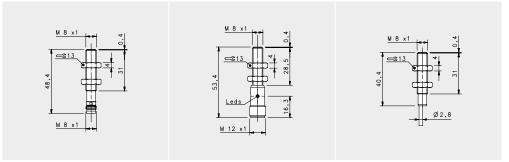
NAMUR M6.5





					NAI	MUR		
				FLL	JSH	NON FLUSH		
				M8 conn	cable	M8 conn	cable	
IOMINAL SWITCH	ING DISTAN	CE		1 mm	1 mm	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						
10-30 Vdc	NPN	3 wires	order No.					
	NC PNP		order No.					
10-30 Vdc	NO-NC	4 wires	order No.					
10-30 Vdc	NPN NO-NC	4 wires	order No.					
10-30 Vdc	NO-NC	2 wires						
10-50 Vac	NO-NC	2 001125	order No.					
20-250 Vac/Vdc	NO	2 wires	order No.					
20-250 Vac/Vdc	NC	2 wires						
20-230 Vac/ Vuc	NC	2 WIIES	order No.					
20-250 Vac	NO	2/3 wires	order No.					
10-30 Vdc	Analog	3 wires						
	0-20 mA			order No.				
NAMUR amplifier	NAMUR	2 wires	order No.	IS-65-A20-S1 95B066310	IS-65-A20-03 95B066290	IS-65-C20-S1 95B066320	IS-65-C20-03 95B066300	
Name in al Malta an							77.0100	
Nominal Voltage				7,7 + 9 V DC	7,7 + 9 V DC	7,7 + 9 V DC	7,7 + 9 V DC	
Residual Ripple				< 10%	< 10%	< 10%	< 10%	
Hysteresis				< 10%	< 10%	< 10%	< 10%	
Max. Output Curre				< 3 mA (metal absent)	< 3 mA (metal absent)	< 3 mA (metal absent)	< 3 mA (metal absent)	
Min. Output Curre	nt			< 1 mA (metal present)	< 1 mA (metal present)	< 1 mA (metal present)	< 1 mA (metal present	
Residual Current								
Voltage Drop								
Operation Led								
Switching Frequer	псу			2000 Hz	2000 Hz	2000 Hz	2000 Hz	
Start Up Delay								
Repeatability				< 3%	< 3%	< 3%	< 3%	
Short Circuit Prote	ection			Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	Present (self-resetting	
Electric Protection	1			Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversa inductive loads	
lemperature Limit				(-25 +60 °C)	(-25 +60 °C)	(-25 +60 °C)	(-25 +60 °C)	
Protection Degree				IP67	IP67	IP67	IP67	
Cable Length					2 m		2 m	
Cable Section					2x 0,25 mm²		2 x 0,25 mm²	
Housing Material				Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	
Active face				LCP	LCP	LCP	LCP	
Weight - Cable Out	put				80 g		80 g	
Weight - Connecto				40 g		40 g		





* see page 5 of the Inductive Sensors Catalog * see page 5 of the Inductive Sensors Catalog * see page 5 of the Inductive Sensors Catalog

55g

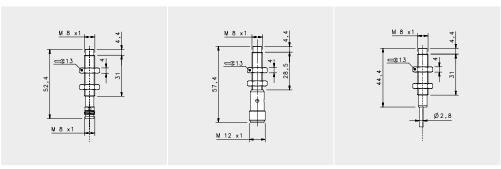
80 g

					NAMUR				
					FLUSH				
				M8 conn	M12 conn	cable			
NOMINAL SWITCHING DISTANCE				1 mm	1 mm	1 mm			
10, 20, 1/4-	PNP/NPN	1							
10-30 Vdc	NO-NC	4 wires	order No.						
10-30 Vdc	PNP	3 wires							
10 50 142	NO	JWIES	order No.						
10-30 Vdc	PNP	3 wires							
	NC		order No.						
10-30 Vdc	NPN	3 wires							
	NO		order No.						
10-30 Vdc	NPN NC	3 wires	order No.						
	PNP		order No.						
10-30 Vdc	NO-NC	4 wires	order No.						
	NPN		order No.						
10-30 Vdc	NO-NC	4 wires	order No.						
10-30 Vdc	NO-NC	2 wires	order No.						
20.250.1/ ()/	NO	2 wires 2 wires 2/3 wires							
20-250 Vac/Vdc	NO		order No.						
20-250 Vac/Vdc	NC								
20-250 Vac7 Vuc	INC		order No.						
20-250 Vac	NO								
20 250 740			order No.						
10-30 Vdc	Analog	A 3 wires							
	0-20 mA		order No.						
NAMUR amplifier	NAMUR	2 wires	and an Ma	IS-08-A20-S1	IS-08-A20-52	S-08-A20-03			
			order No.	95B066780	95B066760	95B066740			
Nominal Voltage				7,7 + 9 V DC	7,7 + 9 V DC	7,7 + 9 V DC			
Residual Ripple				< 10%	< 10%	< 10%			
Hysteresis				< 10%	< 10%	< 10%			
Max. Output Currei	nt			< 3 mA (metal absent)	< 3 mA (metal absent)	< 3 mA (metal absent)			
Min. Output Curre				< 1 mA (metal present)	< 1 mA (metal present)	< 1 mA (metal present)			
Residual Current									
Voltage Drop									
Operation Led									
Switching Frequer	ncy			2000 Hz	2000 Hz	2000 Hz			
Start Up Delay									
Repeatability				< 3%	< 3%	< 3%			
Short Circuit Prote	ection			Present (self-resetting)	Present (self-resetting)	Present (self-resetting)			
Electric Protection				Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads			
Temperature Limit				(-25 +60 °C)	(-25 +60 °C)	(-25 +60 °C)			
Protection Degree				IP67	IP67	IP67			
Cable Length						2 m			
Cable Section						2x 0,25 mm²			
Housing Material				Nickel-plated brass	Nickel-plated brass	Nickel-plated brass			
Active face				LCP	LCP	LCP			

35g

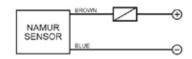
Weight - Connector Output

Tightening torque Weight - Cable Output



	NAMUR	
	NON FLUSH	
M8 conn	M12 conn	cable
2 mm	2 mm	2 mm
IS-08-C20-S1	IS-08-C20-S2	IS-08-C20-03
95B066790	95B066770	95B066750
77.0100		
7,7 + 9 V DC < 10%	7,7 + 9 V DC < 10%	7,7 + 9 V DC < 10%
< 10%	< 10%	< 10%
< 3 mA (metal absent)	< 3 mA (metal absent)	< 3 mA (metal absent)
< 1 mA (metal present)	< 1 mA (metal present)	< 1 mA (metal present)
2000 Hz	2000 Hz	2000 Hz
< 3%	< 3%	< 3%
Present (self-resetting)	Present (self-resetting)	Present (self-resetting)
Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads
(-25 +60 °C)	(-25 +60 °C)	(-25 +60 °C)
IP67	IP67	IP67
		2 m
 Nickel plated brace	 Nickol platod brace	2 x 0,25 mm²
Nickel-plated brass LCP	Nickel-plated brass LCP	Nickel-plated brass LCP
	s * see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalo
		80 g

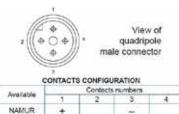
2 wires NAMUR



M8 2 wires NAMUR

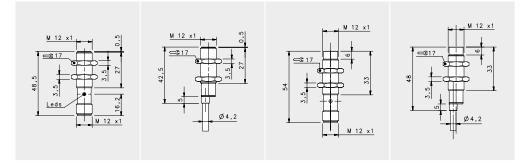


M12 2 wires NAMUR



ODATALOGIC 65





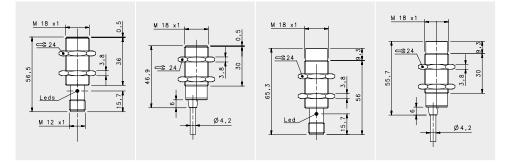
				NAMUR						
				FLU	ISH	NON FLUSH				
				M12 conn	cable	M12 conn	cable			
NOMINAL SWITCHING DISTANCE				2 mm	2 mm	4mm	4mm			
10-30 Vdc	PNP/NPN NO-NC	4 wires	order No.							
10-30 Vdc	PNP NO	3 wires	order No.							
10-30 Vdc	PNP	3 wires								
	NC		order No.							
10-30 Vdc	NPN NO	3 wires	order No.							
	NPN									
10-30 Vdc	NC	3 wires	order No.							
10-30 Vdc	PNP	4 wires								
10-30 Vuc	NO-NC	4 WILES	order No.							
10, 20, 1/4-	NPN	(mines								
10-30 Vdc	NO-NC	4 wires	order No.							
10-30 Vdc	NO-NC									
10-30 Vac	NU-NC	2 wires	order No.							
20-250 Vac/Vdc	NO	2 wires								
20-230 Vac/ Vac	NO	2 WIIES	order No.							
20-250 Vac/Vdc	NC	2 wires	2 wires	2 wires	2 wires					
20 250 1407 140	NC .	2 001105	order No.							
20-250 Vac	NO	2/3 wires								
20 250 140	110		order No.							
10-30 Vdc	Analog	3 wires								
	0-20 mA	5 Wiles	order No.							
NAMUR amplifier	NAMUR	2 wires	R 2 wires		IS-12-A20-S2	IS-12-A20-03	IS-12-C20-S2	IS-12-C20-03		
				order No.	95B064180	95B064160	95B064190	95B064170		
Nominal Voltage				7,7 + 9 V DC	7,7 + 9 V DC	7,7 + 9 V DC	7.7 + 9 V DC			
Residual Ripple				< 10%	< 10%	< 10%	< 10%			
Hysteresis				< 10%	< 10%	< 10%	< 10%			
Max. Output Currei	nt			< 3 mA (metal absent)						
Min. Output Curre				< 1 mA (metal present)						
Residual Current	IIL			< T IIIA (Inecal present)	< T THA (metal present)	< T IIIA (Inetal present)	< T IIIA (Inetal present)			
Voltage Drop										
Operation Led										
Switching Frequer				 2000 Hz	 2000 Hz	 2000 Hz	2000 Hz			
Start Up Delay	icy.			2000 H2	2000 H2	2000 H2	2000 HZ			
Repeatability				< 3%	< 3%	< 3%	< 3%			
Short Circuit Prote	oction			< 3% Present (self-resetting)	< 3% Present (self-resetting)	< 3% Present (self-resetting)	Present (self-resetting)			
Short Circuit FIOLE				-						
Electric Protection	1			Against polarity reversal inductive loads						
Temperature Limit				(-25 +60 °C)	(-25 +60 °C)	(-25 +60 °C)	(-25 +60 °C)			
Protection Degree				IP67	IP67	IP67	IP67			

Cable Length ---2 m ---2 m Cable Section ----2 x 0,25 mm^2 ----2 x 0,25 mm^2 Housing Material Nickel-plated brass Nickel-plated brass Nickel-plated brass Nickel-plated brass LCP * see page 5 of the Inductive Sensors Catalog LCP LCP LCP Active face * see page 5 of the Inductive Sensors Catalog * see page 5 of the Inductive Sensors Catalog * see page 5 of the Inductive Sensors Catalog Tightening torque Weight - Cable Output 110 g 110 g Weight - Connector Output 60 g 60 g -------



Weight - Cable Output

Weight - Connector Output



				NAMUR						
				FLU	JSH	NON	LUSH			
				M12 conn	cable	M12 conn	cable			
NOMINAL SWITCHING DISTANCE				5mm	5mm	8mm	8mm			
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	order No.							
10-30 Vdc	Analog 0-20 mA	3 wires	order No.							
NAMUR amplifier	NAMUR	2 wires	order No.	IS-18-A20-S2 95B064380	IS-18-A20-03 95B064360	IS-18-C20-S2 95B064390	IS-18-C20-03 95B064370			
Nominal Voltage				7,7 + 9 V DC	7,7 + 9 V DC	7,7 + 9 V DC	7,7 + 9 V DC			
Residual Ripple				< 10%	< 10%	< 10%	< 10%			
Hysteresis				< 10%	< 10%	< 10%	< 10%			
Max. Output Curre Min. Output Curre				< 3 mA (metal absent) < 1 mA (metal present)	< 3 mA (metal absent) < 1 mA (metal present)	< 3 mA (metal absent) < 1 mA (metal present)	< 3 mA (metal absent) < 1 mA (metal present)			
Residual Current										
Voltage Drop										
Operation Led Switching Frequer	זרע			 1000 Hz	 1000 Hz	 1000 Hz	 1000 Hz			
Start Up Delay										
Repeatability				< 3%	< 3%	< 3%	< 3%			
Short Circuit Prote	ection			Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	Present (self-resetting)			
Electric Protection				Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads			
Temperature Limit				(-25 +60 °C)	(-25 +60 °C)	(-25 +60 °C)	(-25 +60 °C)			
Protection Degree				IP67	IP67	IP67	IP67			
Cable Length					2 m		2 m			
Cable Section					2 x 0,25 mm²		2 x 0,25 mm²			
Housing Material				Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass			
Active face				LCP	LCP	LCP	LCP			
Tightening torque				* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inducti Sensors Catalog			
Weight - Cable Out	nut				1/15g	5	1/15g			

95g

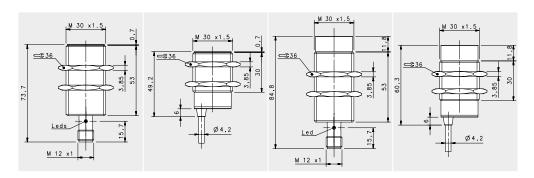
145g

95g

ODATALOGIC 67

145g





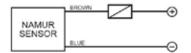
170 g

				NAMUR					
				FLL	JSH	NON FLUSH			
				M12 conn	cable	M12 conn	cable		
NOMINAL SWITCHING DISTANCE				10mm	10mm	15mm	15mm		
	PNP/NPN								
10-30 Vdc	NO-NC	4 wires	order No.						
10-30 Vdc	PNP	3 wires							
10-50 Vac	NO	5 WIIES	order No.						
10-30 Vdc	PNP	3 wires							
	NC		order No.						
10-30 Vdc	NPN NO	3 wires	order No.						
	NPN		oraci ivo.						
10-30 Vdc	NC	3 wires	order No.						
10. 20.Vdc	PNP	(wiros							
10-30 Vdc	NO-NC	4 wires	order No.						
10-30 Vdc	NPN	4 wires							
	NO-NC		order No.						
10-30 Vdc	NO-NC	2 wires	audau Na						
			order No.						
20-250 Vac/Vdc	NO	2 wires	order No.						
			order ivo.						
20-250 Vac/Vdc	NC	2 wires	order No.						
20-250 Vac	NO	2/2 wiros	2/2 wiros	2/3wires					
20-250 Val	NO	2/ 5 WIRS	order No.						
10-30 Vdc	Analog	3 wires	3 wires						
	0-20 mA		order No.						
NAMUR amplifier	NAMUR	2 wires	order No.	IS-30-A20-S2 95B064630	IS-30-A20-03 95B064610	IS-30-C20-S2 95B064640	IS-30-C20-03 95B064620		
			order No.	556004050	550004010	550004040	556004020		
Nominal Voltage				7,7 + 9 V DC					
Residual Ripple				< 10%	< 10%	< 10%	< 10%		
Hysteresis				< 10%	< 10%	< 10%	< 10%		
Max. Output Currei	nt			< 3 mA (metal absent)					
Min. Output Curre	nt			< 1 mA (metal present)					
Residual Current									
Voltage Drop									
Operation Led									
Switching Frequer	тсу			500 Hz	500 Hz	500 Hz	500 Hz		
Start Up Delay				< 3%	 < 3%	< 3%	 < 3%		
Repeatability Short Circuit Prote	oction			< 3% Present (self-resetting)	< 3% Present (self-resetting)	< 3% Present (self-resetting)	< 3% Present (self-resetting)		
				Against polarity reversal	Against polarity reversal	Against polarity reversal	Against polarity reversal		
Electric Protection	1			inductive loads	inductive loads	inductive loads	inductive loads		
Temperature Limit				(-25 +60 °C)	(-25 +60 °C)	(-25 +60 °C)	(-25 +60 °C)		
Protection Degree				IP67	IP67	IP67	IP67		
Cable Length					2 m		2 m		
Cable Section					2 x 0,25 mm ²		2 x 0,25 mm ²		
Housing Material				Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass		
Active face				LCP * see page 5 of the Inductive					
Tightening torque				Sensors Catalog	Sensors Catalog	Sensors Catalog	Sensors Catalog		
Weight - Cable Out	•				210 g		210 g		
Weight - Connecto				170 g		170 g			

170 g

Weight - Connector Output

2 wires NAMUR



M12 2 wires NAMUR

