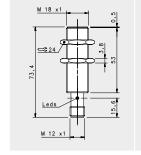
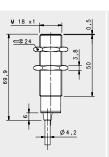
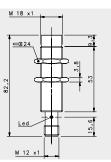
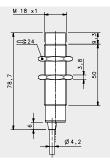
# BASIC M18





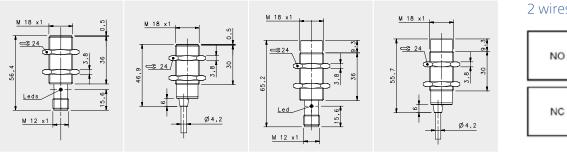




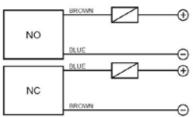


				STANDARD				
				FLU	SH	NON F	LUSH	
				M12 conn	cable	M12 conn	cable	
NOMINAL SWITCH		CE		5 mm	5 mm	8 mm	8 mm	
10-30 Vdc	PNP/NPN	4 wires		IS-18-A0-S2	IS-18-A0-03	IS-18-C0-S2	IS-18-C0-03	
	NO-NC		order No.	95B064260	95B064230	95B064280	95B064240	
10-30 Vdc	PNP	3 wires		IS-18-A1-S2	IS-18-A1-03	IS-18-C1-S2	IS-18-C1-03	
10 50 142	NO	5 WIICS	order No.	95B061351	95B061341	95B061751	95B061741	
10-30 Vdc	PNP	3 wires		IS-18-A2-S2	IS-18-A2-03	IS-18-C2-S2	IS-18-C2-03	
10-50 Vuc	NC	JWIIES	order No.	95B061371	95B061361	95B061771	95B061761	
10-30 Vdc	NPN	3 wires		IS-18-A3-S2	IS-18-A3-03	IS-18-C3-S2	IS-18-C3-03	
10-50 Vuc	NO	5 wires	order No.	95B061311	95B061301	95B061711	95B061701	
40.2014-	NPN	2		IS-18-A4-S2	IS-18-A4-03	IS-18-C4-S2	IS-18-C4-03	
10-30 Vdc	NC	3 wires	order No.	95B061331	95B061321	95B061731	95B061721	
40.201/4-	PNP	1						
10-30 Vdc	NO-NC	4 wires	order No.					
10 20 1/4-	NPN	( wines						
10-30 Vdc	NO-NC	4 wires	order No.					
40.001/1		- ·		IS-18-A9-S2	S-18-A9-03	IS-18-C9-S2	IS-18-C9-03	
10-30 Vdc	NO-NC	2 wires	order No.	95B063941	95B064300	95B064340	95B064310	
20.250.1//1/4-	NO	2						
20-250 Vac/Vdc	NO	2 wires	order No.					
20.2501//1/4-	NC	2						
20-250 Vac/Vdc	NC	2 wires	order No.					
20.2501/		a /a .						
20-250 Vac	NO	2/3 wires	order No.					
40.201/4-	Analog	2						
10-30 Vdc	0-20 mA	3 wires	order No.					
		2						
NAMUR amplifier	NAMUR	2 wires	order No.					
Nominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	
Residual Rinnle				10-30 VUC (-157 10%) < 10%	< 10%	< 10%	10-30 Vac (-15710%) < 10%	

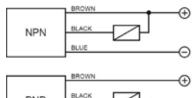
Nominal Voltage	10-30 Vac (-157 10%)	10-30 Vac (-15/10%)	10-30 Vac (-15/10%)	10-30 Vac (-15/10%)
Residual Ripple	< 10%	< 10%	< 10%	< 10%
Hysteresis	< 10%	< 10%	< 10%	< 10%
Max. Output Current	200 mA	200 mA	200 mA	200 mA
Min. Output Current	> 1,6 mA (2wires ver.)			
Residual Current	< 10 mA	< 10 mA	< 10 mA	< 10 mA
Voltage Drop	< 1,8V; < 6,5 V (2wires ver.)			
Operation Led	Yellow	Yellow	Yellow	Yellow
Switching Frequency	1000 Hz/200 Hz (2 wires NO-NC)			
Start Up Delay	< 50 ms	< 50 ms	< 50 ms	< 50 ms
Repeatability	< 3%	< 3%	< 3%	< 3%
Short Circuit Protection	Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	Present (self-resetting)
Electric Protection	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 0,34 mm² 3 x 0,14 mm² 4 x 0,25 mm²		2 x 0,34 mm² 3 x 0,14 mm² 4 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	30Nm	30Nm	30Nm	30Nm
Weight - Cable Output		145g		145g
Weight - Connector Output	95g		95g	



#### 2 wires NO or NC

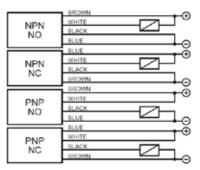


#### 3 wires PNP or NPN





### 4 wires (PNP/NPN, NO/NC)



### M12 connector - connections



### 2 wires NO or NC

Available		Contacts	numbers	
	1	2	3	- 24
NO	+		-	
NC			+	

### 3 wires

Transaction (	Contacts numbe	numbers		
Available	1	2	3	4
(NO or NC)	+		-	NO/NC

### 4 wires (PNP/NPN, NO/NC)

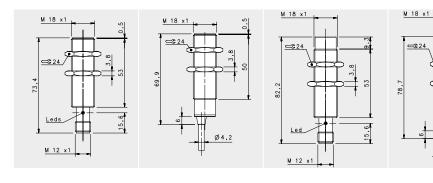
Output		Contacts	numbers	
Conput	1	2	3	- 4
NPN NO	+	NO	12	
NPN NC	+	NC	+	-
PNP NO	+	+	-	NO
PNP NC		+	+	NC

	SH	ORT	
FL	USH	NON F	LUSH
M12 conn	cable	M12 conn	cable
5 mm	5 mm	8 mm	8 mm
IS-18-B1-S2	IS-18-B1-03	IS-18-D1-S2	IS-18-D1-03
95B062151	95B062141	95B062551	95B062541
IS-18-B2-S2	IS-18-B2-03	IS-18-D2-S2	IS-18-D2-03
95B062171	95B062161	95B062571	95B062561
IS-18-B3-S2	IS-18-B3-03	IS-18-D3-S2	IS-18-D3-03
95B062111	95B062101	95B062511	95B062501
IS-18-B4-S2	IS-18-B4-03	IS-18-D4-S2	IS-18-D4-03
95B062131	95B062121	95B062531	95B062521
10-30 Vdc (-15/10%)	10, 20  //dc (15(10%))	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)
< 10%	10-30 Vdc (-15/10%) < 10%	< 10%	< 10%
< 10%	< 10%	< 10%	< 10%
200 mA	200 mA	200 mA	200 mA
< 10 mA	< 10 mA	< 10 mA	< 10 mA
< 1,8 V (I=100mA)			
Yellow	Yellow	Yellow	Yellow
1000 Hz	1000 Hz	1000 Hz	1000 Hz
< 50 ms	< 50 ms	< 50 ms	< 50 ms
< 3%	< 3%	< 3%	< 3%
Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	Present (self-resetting)
Against polarity reversal inductive loads			
(-25 +60 °C)	(-25 +60 °C)	(-25 +60 °C)	(-25 +60 °C)
IP67	IP67	IP67	IP67
	2 m		2 m
	3 x 0,14 mm²		3 x 0,14 mm²
Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
LCP	LCP	LCP	
30Nm 	30Nm	30Nm 	30Nm
	145g		145g
95g		95g	

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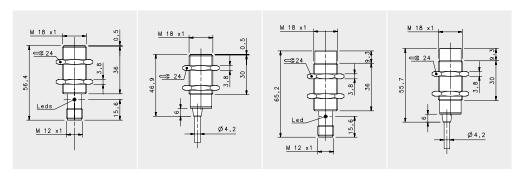
# **BASIC M18**



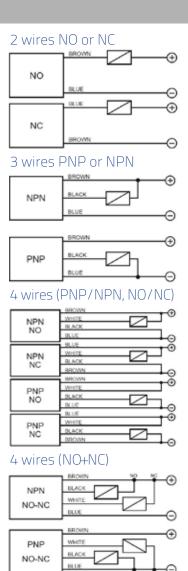


Ø4,2

				STANDARD X2				
				FLL	JSH	NON F	LUSH	
				M12 conn	cable	M12 conn	cable	
NOMINAL SWITCH	ING DISTAN	CE		8 n	nm	14 (	nm	
10.201/4-	PNP/NPN	1		IS-18-E0-S2	IS-18-E0-03	IS-18-F0-S2	IS-18-F0-03	
10-30 Vdc	NO-NC	4 wires	order No.	95B067310	95B067270	95B067330	95B067290	
10.201/4-	PNP	2		IS-18-E1-S2	IS-18-E1-03	IS-18-F1-S2	IS-18-F1-03	
10-30 Vdc	NO	3 wires	order No.	95B067050	95B067810	95B067040	95B067880	
10 201/4-	PNP	2		IS-18-E2-S2	IS-18-E2-03	IS-18-F2-S2	IS-18-F2-03	
10-30 Vdc	NC	3 wires	order No.	95B067780	95B067820	95B067850	95B067890	
10.201/4-	NPN	2		IS-18-E3-S2	IS-18-E3-03	IS-18-F3-S2	IS-18-F3-03	
10-30 Vdc	NO	3 wires	order No.	95B067790	95B067830	95B067860	95B067900	
10 201/4-	NPN	2		IS-18-E4-S2	IS-18-E4-03	IS-18-F4-S2	IS-18-F4-03	
10-30 Vdc	NC	3 wires	order No.	95B067800	95B067840	95B067870	95B067910	
40.201/4-	PNP	1						
10-30 Vdc	NO-NC	4 wires	order No.					
10.201/4-	NPN	1						
10-30 Vdc	NO-NC	4 wires	order No.					
10 2014-		2		IS-18-E9-S2	IS-18-E9-03	IS-18-F9-S2	IS-18-F9-03	
10-30 Vdc	NO-NC	2 wires	order No.	95B067320	95B067280	95B067340	95B067300	
20.250.Vaa/V/da	NO	2						
20-250 Vac/Vdc	NU	2 wires	order No.					
20.250.1//1/-	NC	2						
20-250 Vac/Vdc	NC	2 wires	order No.					
20.2501/								
20-250 Vac	NO	2/3 wires	order No.					
10.001/1	Analog	<u> </u>						
10-30 Vdc	0-20 mA	3 wires	order No.					
		<u> </u>						
NAMUR amplifier	NAMUR	2 wires	order No.					
Nominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	
Residual Ripple				< 10%	< 10%	< 10%	< 10%	
Hysteresis				< 10%	< 10%	< 10%	< 10%	
Max. Output Curre	nt			200 mA	200 mA	200 mA	200 mA	
Min. Output Curre				200 111A	200 MA	200 MA	200 111A	
Residual Current	111			< 10 mA	< 10 mA	< 10 mA	< 10 mA	
Voltage Drop				< 1,2 V (I=100mA)				
Operation Led				Yellow	Yellow	Yellow	Yellow	
Switching Freque	acy			400 Hz	400 Hz	100 Hz	100 Hz	
Start Up Delay	icy			< 50 ms	< 50 ms	< 50 ms	< 50 ms	
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				
Temperature Limit				(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)	
Protection Degree				IP67	IP67	(-25 +70 °C) IP67	IP67	
Cable Length				IP07	IP67	IP67		
					2 x 0,34 mm²		2 x 0,34 mm²	
Cable Section					3 x 0,14 mm² 4 x 0,25 mm²		3 x 0,14 mm² 4 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				30Nm	30Nm	30Nm	30Nm	
Weight - Cable Out						145g	145g	
Weight - Connecto	r Output			95g	95g			



	SHO	RT X2	
FLU			LUSH
M12 conn	cable	M12 conn	cable
8 mm	8 mm	14 mm	14 mm
IS-18-G1-S2	IS-18-G1-03	IS-18-H1-S2	IS-18-H1-03
95B063531	95B063521	95B063611	95B063601
IS-18-G2-S2	IS-18-G2-03	IS-18-H2-S2	IS-18-H2-03
95B063551	95B063541	95B063631	95B063621
IS-18-G3-S2	IS-18-G3-03	IS-18-H3-S2	IS-18-H3-03
95B063491	95B063061	95B063571	95B063561
IS-18-G4-S2	IS-18-G4-03	IS-18-H4-S2	IS-18-H4-03
95B063511	95B063501	95B063591	95B063581
IS-18-G5-S2	IS-18-G5-03	IS-18-H5-S2	IS-18-H5-03
95B062731	95B062721	95B062811	95B064220
IS-18-G6-S2	IS-18-G6-03	IS-18-H6-S2	IS-18-H6-03
95B062711	95B064200	95B062791	95B064210
10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)
< 10%	< 10%	< 10%	< 10%
< 10%	< 10%	< 10%	< 10%
200 mA	200 mA	200 mA	200 mA
> 1,6 mA (2wires ver.)			
< 10 mA	< 10 mA	< 10 mA	< 10 mA
< 1,2 V (I=100mA)			
Yellow	Yellow	Yellow	Yellow
400 Hz/100 Hz (4 wires NO-NC)			
< 75 ms	< 75 ms	< 75 ms	< 75 ms
< 3%	< 3%	< 3%	< 3%
Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	Present (self-resetting)
Against polarity reversal inductive loads			
(-25 +60 °C)	(-25 +70 °C)	(-25 +60 °C)	(-25 +70 °C)
IP67	IP67	IP67	IP67
	2 m		2 m
	3 x 0,14 mm² 4 x 0,25 mm²		3 x 0,14 mm² 4 x 0,25 mm²
Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
LCP	LCP	LCP	LCP
30Nm	30Nm	30Nm	30Nm
	145g		145g
95g		95g	



## M12 connector connections

#### 2 wires NO or NC

Available		Contacts numbers				
	1	2	3	- 4		
NO	+		-			
NC	-		+			

#### 3 wires

C	ONTACTS	CONFIGU	RATION	
Augustanta		Contacts	numbers	
Available	1	2	3	4
(NO or NC)	+			NOINC

#### 4 wires (PNP/NPN, NO/NC)

Output	Contacts numbers				
Cuput	. 1	2	- 3	-4	
NPN NO	+	NO	-	-	
NPN NC	-	NC	+	-	
PNPNO	+	+	-	NO	
PNRINC	-	+	+	NC	

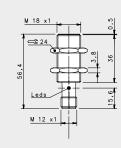
### 4 wires (NO+NC)

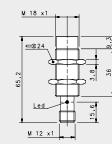
Recommenter		Contacts	numbers	
Available	-1	2	3	4
(NO + NC)	+	NC	-	NO

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# **STAINLESS STEEL M18**







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Stainless-Steel

LCP

30Nm

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95g

-						
				SHORT STAINLESS STEEL		
				FLUSH	NON FLUSH	
				M12 conn	M12 conn	
IOMINAL SWITCH	ING DISTAN	CE		5 mm	8 mm	
10-30 Vdc	PNP/NPN	4 wires				
10 30 142	NO-NC	4 101105	order No.			
10-30 Vdc	PNP	3 wires		IS-18-M1-S2	IS-18-N1-S2	
	NO		order No.	958060320	958060360	
10-30 Vdc	PNP NC	3 wires	and an Na	IS-18-M2-S2	IS-18-N2-S2	
	-		order No.	95B060330 IS-18-M3-S2	95B060370 IS-18-N3-S2	
10-30 Vdc	NPN NO	3 wires	order No.	95B060340	958060380	
	NPN		order No.	IS-18-M4-S2	IS-18-N4-S2	
10-30 Vdc	NC	3 wires	order No.	958060350	95B060390	
	PNP		order No.			
10-30 Vdc	NO-NC	4 wires	order No.			
	NPN					
10-30 Vdc	NO-NC	4 wires	order No.			
10-30 Vdc	NO-NC	2 wires	order No.			
		2 wires				
20-250 Vac/Vdc	NO		order No.			
	NC	2 wires				
20-250 Vac/Vdc	NC		order No.			
20-250 Vac	NO	2/2 wires				
20-250 Vac	NU	2/3 wires	order No.			
10-30 Vdc	Analog 0-20 mA	3 wires				
			order No.			
NAMUR amplifier	NAMUR	2 wires				
a mont amplifier			order No.			
Nominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	
Residual Ripple				< 10%	< 10%	
Hysteresis				< 10%	< 10%	
Max. Output Currer	nt			200 mA	200 mA	
Min. Output Currei	nt					
Residual Current				< 10 mA	< 10 mA	
/oltage Drop				< 1,8 V (I=100mA)	< 1,8 V (I=100mA)	
Operation Led				Yellow	Yellow	
Switching Frequency				1000 Hz	1000 Hz	
Start Up Delay				< 50 ms	< 50 ms	
Repeatability				< 3%	< 3%	
Short Circuit Prote	ction			Present (self-resetting)	Present (self-resetting)	
				Against polarity reversal	Against polarity reversal	
Electric Protection				inductive loads	inductive loads	
remperature Limit				(-25 +70 °C)	(-25 +70 °C)	
Protection Degree				IP69K	IP69K	
Cable Length					11 051	

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Stainless-Steel

LCP

30Nm

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95g

Cable Length

Cable Section

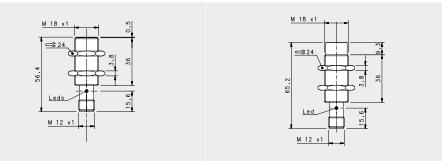
Active face

Housing Material

Tightening torque

Weight - Cable Output

Weight - Connector Output



SHORT STA	INLESS STEEL X2
FLUSH	NON FLUSH
M12 conn	M12 conn
8 mm	14 mm
<b>0</b> IIIII	
 IS-18-01-52	 IS-18-P1-S2
95B060080	958060120
IS-18-02-S2	IS-18-P2-S2
958060090	95B060130
IS-18-03-S2	IS-18-P3-S2
958060100	95B060140
IS-18-04-S2	IS-18-P4-S2
958060110	95B060150
10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)
< 10%	< 10%
< 10%	< 10%
200 mA	200 mA
200 MA	
 < 10 mA	
	< 10 mA
< 1,2 V (I=100mA)	< 1,2 V (I=100mA)
Yellow	Yellow
200 Hz	200 Hz
< 75 ms	< 75 ms
< 3%	< 3%
Present (self-resetting)	Present (self-resetting)
Against polarity reversal inductive loads	Against polarity reversal inductive loads
(-25 +70 °C)	(-25 +70 °C)
IP69K	IP69K
Stainless-Steel	Stainless-Steel
LCP	LCP
30Nm	30Nm
95g	95g

### M12 3 pole



#### CONTACTS CONFIGURATION

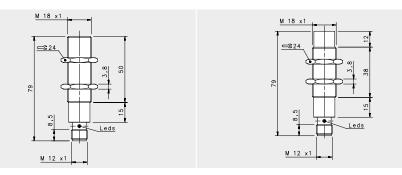
Available		Contacts	numbers	
Mydeldole	1	2	3	- 4
(NO or NC)	+		2	NO/NC

# **METAL FACE M18**



Weight - Cable Output

Weight - Connector Output



				METAL FACE			
				FLUSH	NON FLUSH		
				M12 conn	M12 conn		
NOMINAL SWITCH		CF		5 mm	8 mm		
10-30 Vdc	NO-NC	4 wires	order No.				
	DND		order No.	IS-18-11-S2	 IS-18-L1-S2		
10-30 Vdc			order No.	958065350	958063881		
	DND						
10-30 Vdc	NC	3 wires	order No.				
10.001/1	NPN	- ·					
10-30 Vdc	NO	3 wires	order No.				
10-30 Vdc	NPN	3 wires					
10-50 Vuc	NC	5 wires	order No.				
10-30 Vdc	PNP	4 wires					
10 50 140	NO-NC	4 101105	order No.				
10-30 Vdc	NPN	4 wires					
	NO-NC		order No.				
10-30 Vdc	NO-NC	2 wires					
			order No.				
20-250 Vac/Vdc	NO	2 wires	order No.				
			order No.				
20-250 Vac/Vdc	NC	2 wires	order No.				
			order No.				
20-250 Vac	NO	2/3 wires	order No.				
	Analog	3 wires					
10-30 Vdc	0-20 mA		order No.				
NAMUR amplifier	NAMUR	2 wires	order No.				
Nominal Voltage				10-30 Vdc	10-30 Vdc		
Residual Ripple				< 10%	< 10%		
Hysteresis				< 15%	< 15%		
Max. Output Currer	nt			200 mA	200 mA		
Min. Output Curre	nt			> 1,6 mA	> 1,6 mA		
Residual Current				< 0,01 mA	< 0,01 mA		
Voltage Drop				< 1,5 V	< 1,5 V		
Operation Led				Present	Present		
Switching Frequer	псу			1000 Hz	500 Hz		
Start Up Delay							
Repeatability				< 1%	< 1%		
Short Circuit Prote	ection			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							
Cable Section							
Housing Material				Stainless-Steel	Stainless-Steel		
Active face				Stainless Steel AISI 303	Stainless Steel AISI 303		
Tightening torque				10Nm	10Nm		
Weight Cable Out							

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95g

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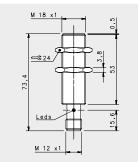
95g

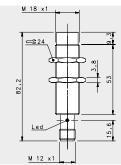
# WELD FIELD IMMUNE M18



Weight - Cable Output

Weight - Connector Output





				FIELD IMMUNE S	STAINLESS STEEL		
				FLUSH	NON FLUSH		
				M12 conn	M12 conn		
NOMINAL SWITCHING DISTANCE				5 mm	8 mm		
PNP/NPN							
10-30 Vdc	NO-NC	4 wires	order No.				
10.201/4-	PNP	Quines		IS-F18-S1-S2	IS-F18-T1-S2		
10-30 Vdc	NO	3 wires	order No.	95B065380	95B065390		
10-30 Vdc	PNP	3 wires					
10-30 440	NC	JWIES	order No.				
10-30 Vdc	NPN	3 wires					
10 50 140	NO	5 11.05	order No.				
10-30 Vdc	NPN	3 wires					
	NC		order No.				
10-30 Vdc	PNP NO-NC	4 wires	and an Ma				
			order No.				
10-30 Vdc	NPN NO-NC	4 wires	ordor No				
	NO-NC		order No.				
10-30 Vdc	NO-NC	2 wires	order No.				
			order NO.				
20-250 Vac/Vdc	NO	2 wires	order No.				
			order No.				
20-250 Vac/Vdc	NC	2 wires	order No.				
20-250 Vac	NO	2/3 wires	order No.				
	Analog						
10-30 Vdc	0-20 mA	3 wires	order No.				
	NAMUR	2 wires					
NAMUR amplifier	NAMUR	Z WIIES	order No.				
Nominal Voltage				10-30 Vdc	10-30 Vdc		
Residual Ripple				< 10%	< 10%		
Hysteresis				< 15%	< 15%		
Max. Output Curre				200 mA	200 mA		
Min. Output Curre	ent			< 10mA	< 10mA		
Residual Current				< 0,1 mA	< 0,1 mA		
Voltage Drop				< 1,5V	< 1,5V		
Operation Led				Present	Present		
Switching Freque	ncy			1000 Hz	500 Hz		
Start Up Delay				< 0,2 ms	< 0,5 ms		
Repeatability				< 1%	< 1%		
Short Circuit Prote	ection			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							
Cable Section							
Housing Material				Stainless-Steel	Stainless-Steel		
Active face				PTFE	PTFE		
Tightening torque				30 Nm	30 Nm		
Weight Cable Output					50 mm		

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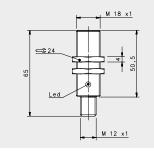
94g

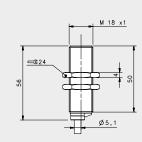
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91g

# **INDUCTIVE AC M18**





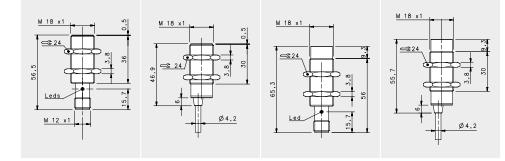


### **STANDARD VAC**

				FLU	FLUSH		
				M12 conn	cable		
NOMINAL SWITCH	ING DISTAN	CE		5 mm	5 mm		
10-30 Vdc PNP/NPN 4 wires							
10-30 Vdc	0-30 Vdc NO-NC 4 v		order No.				
40.201/4-	PNP						
10-30 Vdc	NO		order No.				
40.201/4-	-30 Vdc PNP NC 3						
10-30 Vac			order No.				
10-30 Vdc	NPN	3 wires					
	NO	5 WIIC5	order No.				
10-30 Vdc	NPN	3 wires					
	NC	5 111 05	order No.				
10-30 Vdc	PNP	4 wires					
	NO-NC		order No.				
10-30 Vdc	NPN	4 wires					
	NO-NC		order No.				
10-30 Vdc	NO-NC	2 wires					
			order No.				
20-250 Vac/Vdc	NO	2 wires	audau Na				
			order No.				
20-250 Vac/Vdc	NC	2 wires	order No.				
			order No.	IS-18-A15-S2	IS-18-A15-03		
20-250 Vac	NO	2/3 wires	order No.	958060780	95B060770		
	Analog 0-20 mA	3 wires	order No.				
10-30 Vdc			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 Currer				500 mA, inrush:1,5A	500 mA, inrush:1,5A		
Min. Output Curre	nt			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 Frequer	псу			25 Hz	25 Hz		
Start Up Delay				< 300 ms	< 300 ms		
Repeatability				5%	5%		
Short Circuit Prote	ection			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				40Nm	40Nm		
Weight - Cable Out	•				145g		
Weight - Connecto	r Output			95g			

# NAMUR M18





				NAMUR				
				FLL	JSH	NON FLUSH		
				M12 conn	cable	M12 conn	cable	
IOMINAL SWITCH	ING DISTAN	Œ		5mm	5mm	8mm	8mm	
10-30 Vdc	PNP/NPN	1						
10-30 Vac	NO-NC	4 wires	order No.					
10-30 Vdc	PNP	3 wires						
	NO	5 11105	order No.					
10-30 Vdc	PNP	3 wires	and an Ma					
	NC		order No.					
10-30 Vdc	NPN NO	3 wires	order No.					
	NPN		order No.					
10-30 Vdc	NC	3 wires	order No.					
10.201/4-	PNP	(						
10-30 Vdc	NO-NC	4 wires	order No.					
10-30 Vdc	NPN	4 wires						
10-50 vac	NO-NC	4 WIIES	order No.					
10-30 Vdc	NO-NC	2 wires						
			order No.					
20-250 Vac/Vdc	NO	2 wires	audau Na					
			order No.					
20-250 Vac/Vdc	NC	2 wires	order No.					
			order No.					
20-250 Vac	NO	2/3 wires	order No.					
10.001/4-	Analog	2						
10-30 Vdc	0-20 mA	3 wires	order No.					
NAMUR amplifier	NAMUR	2 wires		IS-18-A20-S2	IS-18-A20-03	IS-18-C20-S2	IS-18-C20-03	
NAMON ampliner	NAMON	2 WIICS	order No.	95B064380	95B064360	95B064390	95B064370	
Nominal Voltage				7,7 + 9 V DC				
Residual Ripple				< 10%	< 10%	< 10%	< 10%	
Hysteresis				< 10%	< 10%	< 10%	< 10%	
Max. Output Currer Min. Output Curre				< 3 mA (metal absent)				
Residual Current	IIL			< 1 mA (metal present)				
Voltage Drop								
Operation Led								
Switching Frequer	ncv			1000 Hz	1000 Hz	1000 Hz	1000 Hz	
Start Up Delay	icy							
Repeatability				< 3%	< 3%	< 3%	< 3%	
Short Circuit Prote	ction			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	
Table 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				30Nm	30Nm	30Nm	30Nm	
Weight - Cable Out	put				145g		145g	
Weight - Connector	r Output			95g		95g		

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