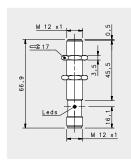
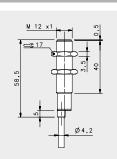
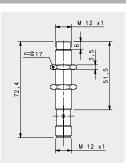
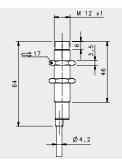
BASIC M12



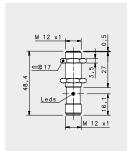


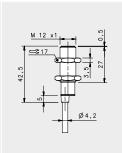


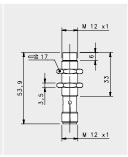


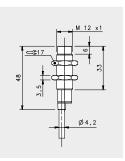


					STAN	DARD	
				FL	JSH	NON I	FLUSH
				M12 conn	cable	M12 conn	cable
IOMINAL SWITCHII	NG DISTANO	CE		2 mm	2 mm	4 mm	4 mm
	PNP/NPN			IS-12-A0-S2	IS-12-A0-03	IS-12-C0-S2	IS-12-C0-03
10-30 Vac	NO-NC	4 wires	order No.	95B064060	95B064030	95B064080	95B064040
40.20141	PNP	. .		IS-12-A1-S2	IS-12-A1-03	IS-12-C1-S2	IS-12-C1-03
10-30 Vdc	NO	3 wires	order No.	95B061251	95B061241	95B061651	95B061641
10-30 Vdc	PNP	3 wires		IS-12-A2-S2	IS-12-A2-03	IS-12-C2-S2	IS-12-C2-03
10-30 Vuc	NC	5 WITES	order No.	95B061281	95B061271	95B061681	95B061671
	NPN	3 wires		IS-12-A3-S2	IS-12-A3-03	IS-12-C3-S2	IS-12-C3-03
10 30 Vac	NO	2 MILE2	order No.	95B061191	95B061181	95B061591	95B061581
10-30 Vac	NPN	3 wires		IS-12-A4-S2	IS-12-A4-03	IS-12-C4-S2	IS-12-C4-03
	NC	5 1165	order No.	95B061221	95B061211	95B061621	95B061611
10-30 Vdc	PNP	4 wires					
	NO-NC		order No.				
	NPN	4 wires					
	NO-NC		order No.		 IC 42 A0 02		
10-30 Vdc	NO-NC	2 wires	audau Na	IS-12-A9-S2	IS-12-A9-03	IS-12-C9-S2	IS-12-C9-03
			order No.	95B063931 	95B064100 	95B064140 	95B064110
20-250 Vac/Vdc	NO	2 wires	order No.				
			order No.				
20-250 Vac/Vdc	NC	2 wires	order No.				
			order ivo.				
20-250 Vac	NO	2/3 wires	order No.				
	Analog		orac, ito.				
	0-20 mA	3 wires	order No.				
NAMED PE	NAMES	<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 Current				200mA; 100 mA (2wires)	200mA; 100 mA (2wires)	200mA; 100 mA (2wires)	200mA; 100 mA (2wires)
Min. Output Current	t			> 1,6 mA (2wires)	> 1,6 mA (2wires)	> 1,6 mA (2wires)	> 1,6 mA (2wires)
Residual Current				< 10mA; < 1,6 mA (2wires)	< 10mA; < 1,6 mA (2wires)	< 10mA; < 1,6 mA (2wires)	< 10mA; < 1,6 mA (2wires)
Voltage Drop				< 1,8V; < 6,5 V (2wires)	< 1,8V; < 6,5 V (2wires)	< 1,8V; < 6,5 V (2wires)	< 1,8V; < 6,5 V (2wires)
Operation Led				Yellow	Yellow	Yellow	Yellow
Switching Frequenc	.y			1000 Hz/200 Hz (2 wires NO-NC)	1000 Hz/200 Hz (2 wires NO-NC)	1000 Hz/200 Hz (2 wires NO-NC)	1000 Hz/200 Hz (2 wires NO-N
Start Up Delay				< 50 ms	< 50 ms	< 50 ms	< 50 ms
Repeatability	#:a.u.			< 3%	< 3%	< 3%	< 3%
Short Circuit Protec	tion			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 +70 °C)	(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °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				10Nm	10Nm	10Nm	10Nm
Weight - Cable Outp	ut				110 g		110 g
				60 g		60 g	110 6



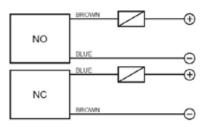




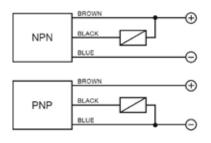


	CIII	ODT	
		ORT	
FLU		NON F	
M12 conn	cable	M12conn	cable
2 mm	2 mm	4 mm	4 mm
 IC 42 D4 C2	 IC 42 D4 02	 IC 42 D4 C2	 IC 42 D4 02
IS-12-B1-S2	IS-12-B1-03	IS-12-D1-S2	IS-12-D1-03
95B062051 IS-12-B2-S2	95B062041 IS-12-B2-03	95B062451 IS-12-D2-S2	95B062441 IS-12-D2-03
95B062081	95B062071	95B062481	95B062471
IS-12-B3-S2	IS-12-B3-03	IS-12-D3-S2	IS-12-D3-03
95B061991	95B061981	95B062391	95B062381
IS-12-B4-S2	IS-12-B4-03	IS-12-D4-S2	IS-12-D4-03
95B062021	95B062011	95B062421	95B062411
			
			
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
< 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 +70 °C)	(-25 +60 °C)	(-25 +70 °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	LCP
10Nm	10Nm	10Nm	10Nm
	110 g		110 g
60 g		60 g	
. 0		<u> </u>	

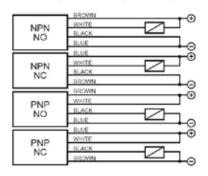
2 wires NO or NC



3 wires PNP or NPN



4 wires (PNP/NPN, NO/NC)



M12 connector - connections



2 wires NO or NC

Sandahia	Contacts numbers				
Avelable	1	2	3	2.4	
NO	+		-		
NO	2		+		

3 wires

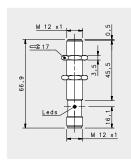
C	ONTACTS	CONFIGU	RATION	
4	-	Contacts	numbers	11
Available	-1	2	3	4
(NO or NC)	+		-	NO/NO

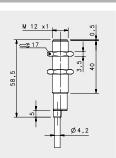
4 wires (PNP/NPN, NO/NC)

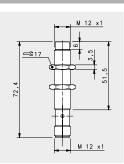
		Contacts	numbers	
Output	1	2	3	4
NPN NO	+	NO	2	
NPN NC	-	NC	+	-
PNP NO	+	+	-	NO
PNP NC	-	+	+	NO

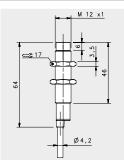
BASIC M12



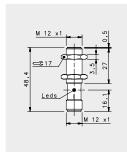


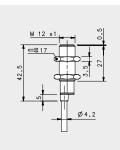


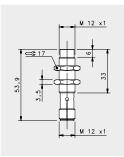


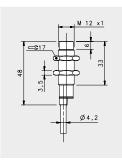


				STANDARD X2				
				FLI	JSH	NON FLUSH		
				M12 conn	cable	M12 conn cable		
IOMINAL SWITCH	ING DISTAN	CE		4 1	mm	8 г	nm	
	PNP/NPN			IS-12-E0-S2	IS-12-E0-03	IS-12-F0-S2	IS-12-F0-03	
10-30 Vdc	NO-NC	4 wires	order No.	95B067230	95B067190	95B067250	95B067210	
40.2014-	PNP	2		IS-12-E1-S2	IS-12-E1-03	IS-12-F1-S2	IS-12-F1-03	
10-30 Vdc	NO	3 wires	order No.	95B067030	95B067670	95B067020	95B067740	
40.2014-	PNP	2		IS-12-E2-S2	IS-12-E2-03	IS-12-F2-S2	IS-12-F2-03	
10-30 Vdc	NC	3 wires	order No.	95B067640	95B067680	95B067710	95B067750	
10-30 Vdc	NPN	2 mines		IS-12-E3-S2	IS-12-E3-03	IS-12-F3-S2	IS-12-F3-03	
10-30 Vuc	NO	3 wires	order No.	95B067650	95B067690	95B067720	95B067760	
10-30 Vdc	NPN	3 wires		IS-12-E4-S2	IS-12-E4-03	IS-12-F4-S2	IS-12-F4-03	
10-30 Vuc	NC	5 WIIES	order No.	95B067660	95B067700	95B067730	95B067770	
10-30 Vdc	PNP	4 wires						
10-30 Vac	NO-NC	4 WIICS	order No.					
10-30 Vdc	NPN	4 wires						
10 30 140	NO-NC	- WII C5	order No.					
10-30 Vdc	NO-NC	2 wires		IS-12-E9-S2	IS-12-E9-03	IS-12-F9-S2	IS-12-F9-03	
		2 1111103	order No.	95B067240	95B067200	95B067260	95B067220	
20-250 Vac/Vdc	NO	2 wires						
20 230 140, 140		2 1111103	order No.					
20-250 Vac/Vdc	NC	2 wires						
			order No.					
20-250 Vac	NO	2/3 wires						
			order No.					
10-30 Vdc	Analog	3 wires						
	0-20 mA	IIA .	order No.					
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			100 mA	100 mA	100 mA	100 mA	
Min. Output Curre								
Residual Current				< 10 mA	< 10 mA	< 10 mA	< 10 mA	
Voltage Drop				< 1,2 V (I=100mA)	< 1,2 V (I=100mA)	< 1,2 V (I=100mA)	< 1,2 V (I=100mA)	
Operation Led				Yellow	Yellow	Yellow	Yellow	
Switching Freque	ncv			500 Hz/200 Hz (2 wires NO-NC)	500 Hz/200 Hz (2 wires NO-NC)	400 Hz/200 Hz (2 wires NO-NC)	400 Hz/200 Hz (2 wires NO-NO	
Start Up Delay	1			< 75 ms	< 75 ms	< 75 ms	< 75 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	Against polarity reversal	Against polarity reversal	Against polarity reversal	
				inductive loads	inductive loads	inductive loads	inductive loads	
Temperature Limit				(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)	
Protection Degree				IP67	IP67	IP67	IP67	
Cable Length								
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				10Nm	10Nm	10Nm	10Nm	
Weight - Cable Out								
Weight - Connecto	r Output			60 g	60 g	60 g	60 g	

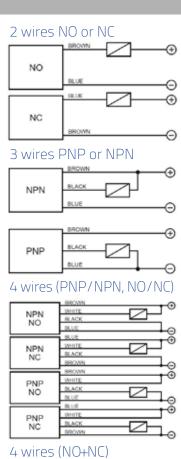


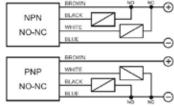






	SHOP	RT X2			
FLL	JSH	NON FLUSH			
M12 con	cable	M12 conn	cable		
4 mm	4 mm	8 mm	8 mm		
IS-12-G1-S2	IS-12-G1-03	IS-12-H1-S2	IS-12-H1-03		
95B063371	95B063361	95B063451	95B063441		
IS-12-G2-S2	IS-12-G2-03	IS-12-H2-S2	IS-12-H2-03		
95B063391	95B063381	95B063471	95B063461		
IS-12-G3-S2	IS-12-G3-03	IS-12-H3-S2	IS-12-H3-03		
95B063331	95B063321	95B063411	95B063401		
IS-12-G4-S2	IS-12-G4-03	IS-12-H4-S2	IS-12-H4-03		
95B063351	95B063341	95B063431	95B063421		
IS-12-G5-S2	IS-12-G5-03	IS-12-H5-S2	IS-12-H5-03		
95B062691	95B062681	95B062771	95B062761		
IS-12-G6-S2	IS-12-G6-03	IS-12-H6-S2	IS-12-H6-03		
95B062671	95B062661	95B062751	95B062741		
10 20 Vdc/ 15/10%	10 20 \/dc/ 1E/10%\	10 20 \/dc/ 1E /10%\	10 20 \/dc/ 15 /10%\		
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)	< 1,2 V (l=100mA)	< 1,2 V (I=100mA)	< 1,2 V (I=100mA)		
Yellow	Yellow	Yellow	Yellow		
00 Hz/200 Hz (4 wires NO-NC)	500 Hz/200 Hz (4 wires NO-NC)	500 Hz/200 Hz (4 wires NO-NC)	500 Hz/200 Hz (4 wires NO-NO		
< 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 +70 °C)	(-25 +70 °C)	(-25 +70 °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		
10Nm	10Nm	10Nm	10Nm		
	110 g		110 g		
60 g		60 g			





M12 connector connections



2 wires NO or NC

North State	Contacts numbers				
Avaiable	1	2	3	- 4	
NO	*		-		
NC	-		+		

3 wires

C	ONTACT!	CONFIGU	RATION	
Avaiable		Contacts	numbers	
Available	. 1	2	3	4
(NO or NC)	+	20	-	NONC

4 wires (PNP/NPN, NO/NC)

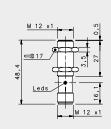
c	ONTACTS	CONFIGU	RATION		
O.m.s	Contacts numbers				
Output	. 1	- 2	- 3	- 4	
NPN NO	+	NO:	-	-	
NPN NC	-	NC	+	-	
PNPNO	+	+	-	NO	
PNP NC	-	+	+	NC	

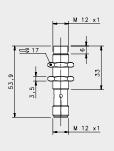
4 wires (NO+NC)

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

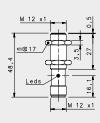
STAINLESS STEEL M12

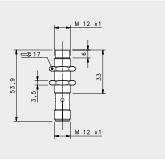






				SHORT STAI	NLESS STEEL
				FLUSH	NON FLUSH
				M12 conn	M12 conn
NOMINAL SWITCHING DISTANCE			2 mm	4 mm	
	PNP/NPN				
0-30 Vdc	NO-NC	4 wires	order No.		
	PNP			IS-12-M1-S2	IS-12-N1-S2
0-30 Vdc	NO	3 wires	order No.	95B060240	95B060280
0.20.1/4-	PNP	2		IS-12-M2-S2	IS-12-N2-S2
0-30 Vdc	NC	3 wires	order No.	95B060250	95B060290
0-30 Vdc	NPN	3 wires		IS-12-M3-S2	IS-12-N3-S2
0-30 Vuc	NO	2 MILES	order No.	95B060260	95B060300
0-30 Vdc	NPN	3 wires		IS-12-M4-S2	IS-12-N4-S2
0-30 vac	NC	2 MILE2	order No.	95B060270	95B060310
0-30 Vdc	PNP	4 wires			
5 50 Vac	NO-NC	7 111103	order No.		
0-30 Vdc	NPN	4 wires			
	NO-NC		order No.		
0-30 Vdc	NO-NC	2 wires			
	· · · ·		order No.		
0-250 Vac/Vdc	NO	2 wires			
			order No.		
0-250 Vac/Vdc	NC	2 wires			
			order No.		
0-250 Vac	NO	2/3 wires	and an Na		
			order No.		
0-30 Vdc	Analog 0-20 mA	3 wires	order No.		
	0-20 IIIA		order No.		
IAMUR amplifier	NAMUR	2 wires	order No.		
			order No.		
ominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)
esidual Ripple				< 10%	< 10%
ysteresis				< 10%	< 10%
lax. Output Currer	h+			200 mA	200 mA
lin. Output Currei				200 IIIA	200 HIA
esidual Current	iii.			< 10 mA	< 10 mA
oltage Drop				< 1,8 V (I=100mA)	< 1,8 V (I=100mA)
peration Led				Yellow	Yellow
•	.61			1000 Hz	1000 Hz
witching Frequen	icy			< 50 ms	< 50 ms
tart Up Delay				< 3%	< 3%
epeatability	ction				
hort Circuit Prote	CUUII			Present (self-resetting)	Present (self-resetting)
lectric Protection				Against polarity reversal inductive loads	Against polarity reversal inductive loads
emperature Limit				(-25 +70 °C)	(-25 +70 °C)
rotection Degree				IP69K	IP69K
able Length					
able Section					
ousing Material				Stainless-Steel	Stainless-Steel
ctive face				LCP	LCP
ightening torque				10Nm	10Nm
Veight - Cable Out	put				
Veight - Connector	Output			60 g	60 g





SHOPT STAIN	LESS STEEL X2
FLUSH	NON FLUSH
M12 conn	M12 conn
4 mm	8 mm
 IS-12-01-52	 IS-12-P1-S2
95B060000	95B060040
IS-12-02-S2	958060040 IS-12-P2-S2
95B060010	95B060050
IS-12-03-S2	IS-12-P3-S2
95B060020	95B060060
IS-12-04-S2	IS-12-P4-S2
95B060030	95B060070
	
10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)
< 10%	< 10%
< 10%	< 10%
200 mA	200 mA
< 10 mA	< 10 mA
< 1,2 V (I=100mA)	< 1,2 V (I=100mA)
Yellow	Yellow
500 Hz	500 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) IP69K	(−25 +70 °C) IP69K
Stainless-Steel	Stainless-Steel
LCP	LCP LCP
10Nm	10Nm
60 g	60 g
· - 0	0

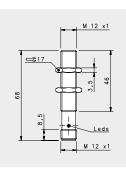
M12 3 pole

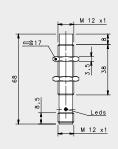


C	ONTACTS	CONFIGU	RATION	
Barbara .	14/4-1	Contacts	numbers	1. 10
eacle.	1	2	3	4
or NC)	4		525	NO/NC

METAL FACE M12



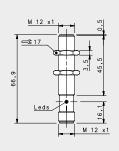


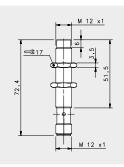


				METAL FACE		
				FLUSH NON FLUSH		
			M12 conn	M12 conn		
NOMINAL SWITCH	IING DISTANC	F		2 mm	4 mm	
VOIVIIVAL SVVITCI	PNP/NPN	-				
10-30 Vdc	30 Vac 4 wires		order No.			
	DND			IS-12-I1-S2	IS-12-L1-S2	
10-30 Vdc	NO	3 wires	order No.	95B065340		
10-30 Vdc	PNP	3 wires				
10 30 vac	NC	J WIICS	order No.			
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.			
40.20141	NPN	, .				
10-30 Vdc	NO-NC	4 wires	order No.			
10-30 Vdc	NO-NC	2 wires				
10 30 vac	NO NC	2 WIICS	order No.			
20-250 Vac/Vdc	NO	2 wires				
			order No.			
20-250 Vac/Vdc	NC	2 wires	order No.		 	
			order No.			
20-250 Vac	NO	2/3 wires	order No.			
	Analog		oraci itoi			
10-30 Vdc	0-20 mA	3 wires	order No.			
NAMUR amplifier	NAMUR	2 wires				
NAMOR ampliner	INAIVIUR	2 wires	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	INT					
Residual Current				< 0,01 mA < 1,5 V (l=100mA)	< 0,01 mA < 1,5 V (I=100mA)	
Voltage Drop Operation Led				Present Present		
Switching Frequer	ncv			2000 Hz	1000 Hz	
Start Up Delay	icy					
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						
Table Section						
Housing Material				Stainless-Steel	Stainless-Steel	
Active face				Stainless Steel AISI 303	Stainless Steel AISI 303	
Tightening torque			10Nm	10Nm		
Weight - Cable Out						
Weight - Connector Output			30 g	30 g		

WELD FIELD IMMUNE M12





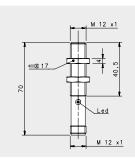


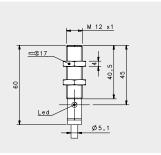
FIELD IMMUNE STAINLESS STEEL

M12 con				FLUSH	NON FLUSH		
0-30 Vec				M12 conn	M12 conn		
10-30 Vec NO.NC N	NOMINAL SWITCHING DISTANCE				2 mm	4 mm	
Po	10-30 Vdc			order No			
10-30 Vec No				order No.			
10-30 Volc	10-30 Vdc			order No			
10-30 Vide				order No.			
10-30 Vdc	10-30 Vdc		3 wires	order No.			
10-30 Vac		NPN					
10-30 Vdc	10-30 Vdc		3 wires	order No.			
No.	10. 20 Vdc	NPN	Zwiros				
10-30 Vdc NO-NC A wires order No.	10-50 Vac	NC	5 WILES	order No.			
10-30 Vdc NO-NC 4 wires 0 roder No. 10-30 Vdc NO-NC 2 wires 0 roder No. 10-30 Vdc NO-NC 2 wires 0 roder No. 10-30 Vdc NO-NC 2 wires 0 roder No. 10-30 Vdc NO 2 wires 0 roder No. 10-30 Vdc NO 2 wires 0 roder No. 10-30 Vdc NO 2 wires 0 roder No. 10-30 Vdc NO-NC NO-NC	10-30 Vdc		4 wires				
10-9.0 V	10 30 vac	_	4 001103	order No.			
10-30 Vdc	10-30 Vdc		4 wires				
10-30 Vide		NO-NC		order No.			
20-250 Vac/Vdc	10-30 Vdc	NO-NC	2 wires	and an Na			
20-250 Var/Vdr				order No.			
20-250 Var	20-250 Vac/Vdc	NO	2 wires	order No			
Capacity				order No.			
20-250 Vac	20-250 Vac/Vdc	NC	2 wires	order No.			
O-30 Vide				oraci itoi			
10-30 Vdc	20-250 Vac	NO	2/3 wires	order No.			
NAMUR amplifier NAMUR 2 wires order No.	40.701/4-	Analog	2				
NAMUR amplifier NAMUR 2 wires order No. Nominal Voltage 10-30 Vdc 10-30 Vdc 10-30 Vdc Residual Ripple < 10%	10-30 Vac	0-20 mA	3 wires	order No.			
Nominal Voltage	NAMI ID amplifier	NAMIID	2 wires				
Residual Ripple < 10%	TVANION amplifici	IVAIVIOIT	2 WIICS	order No.			
Residual Ripple < 10%	Nominal Voltago				10.20 Vdc	10.20 Vdc	
Hysteresis < 15%							
Max. Output Current 200 mA 200 mA Min. Output Current < 10mA							
Min. Output Current< 10mA< 10mAResidual Current< 0,1 mA		n+					
Residual Current < 0,1 mA							
Voltage Drop< 1,5V< 1,5VOperation LedPresentPresentSwitching Frequency2000 Hz1000 HzStart Up Delay< 0,1 ms	•	ent.					
Operation Led Present Present Switching Frequency 2000 Hz 1000 Hz Start Up Delay < 0,1 ms							
Switching Frequency2000 Hz1000 HzStart Up Delay< 0,1 ms	•				·	·	
Start Up Delay < 0,1 ms < 0,1 ms Repeatability < 1%		ncv					
Repeatability < 1% < 1% 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 Cable Section Housing Material Stainless-Steel Stainless-Steel Active face PTFE PTFE Tightening torque 10 Nm 10 Nm		iicy					
Short Circuit ProtectionPresent (self-resetting)Present (self-resetting)Electric ProtectionAgainst polarity reversal inductive loadsAgainst polarity reversal inductive loadsTemperature Limit(-25 +70 °C)(-25 +70 °C)Protection DegreeIP67IP67Cable LengthCable SectionHousing MaterialStainless-SteelStainless-SteelActive facePTFEPTFETightening torque10 Nm10 Nm					·		
Electric ProtectionAgainst polarity reversal inductive loadsAgainst polarity reversal inductive loadsTemperature Limit(-25 +70 °C)(-25 +70 °C)Protection DegreeIP67IP67Cable LengthCable SectionHousing MaterialStainless-SteelStainless-SteelActive facePTFEPTFETightening torque10 Nm10 Nm		ection					
Electric Protection 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 10 Nm 10 Nm							
Temperature Limit(-25 +70 °C)(-25 +70 °C)Protection DegreeIP67IP67Cable LengthCable SectionHousing MaterialStainless-SteelStainless-SteelActive facePTFEPTFETightening torque10 Nm10 Nm	Electric Protection						
Protection DegreeIP67IP67Cable LengthCable SectionHousing MaterialStainless-SteelStainless-SteelActive facePTFEPTFETightening torque10 Nm10 Nm	Temperature Limit						
Cable LengthCable SectionHousing MaterialStainless-SteelStainless-SteelActive facePTFEPTFETightening torque10 Nm10 Nm							
Cable SectionHousing MaterialStainless-SteelStainless-SteelActive facePTFEPTFETightening torque10 Nm10 Nm	-						
Housing MaterialStainless-SteelStainless-SteelActive facePTFEPTFETightening torque10 Nm10 Nm	9						
Active face PTFE PTFE Tightening torque 10 Nm 10 Nm							
Tightening torque 10 Nm 10 Nm							
· ·							
		tput					
Weight - Connector Output 25g 23g	-	•			25g	23g	

INDUCTIVE AC M12



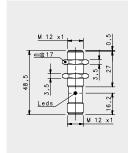


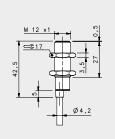


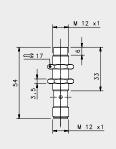
				STANDARD VAC			
				FLUSH			
				M12 conn	cable		
NOMINAL SWITCH	IING DISTAN	CE		2 mm	2 mm		
DND/NDN							
10-30 Vdc NO-NC 4		4 wires	order No.				
	Vdc PNP 3 wires		0.00.100.				
10-30 Vdc			order No.				
	PNP						
10-30 Vdc	NC	3 wires	order No.				
10.201//	NPN	.					
10-30 Vdc	NO	3 wires	order No.				
10-30 Vdc	NPN	2ivaa					
10-30 Vac	NC	3 wires	order No.				
10-30 Vdc	PNP	4 wires					
10-30 Vac	NO-NC	4 WIIES	order No.				
10-30 Vdc	NPN	4 wires					
10 30 vac	NO-NC	4 WIIC3	order No.				
10-30 Vdc	NO-NC	2 wires					
		2 11	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 mA	3 wires	- uda u Nia				
	0-20 IIIA		order No.				
NAMUR amplifier	NAMUR	2 wires	audau Na				
			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 Curre	nt			500 mA, inrush:1,5A	500 mA, inrush:1,5A		
Min. Output Curre				20 mA	20 mA		
Residual Current	III			< 0,7 mA	< 0,7 mA		
Voltage Drop				< 4 V (I=100mA)	< 4 V (I=100mA)		
Operation Led				Yellow	Yellow		
Switching Frequer	264			25 Hz	25 Hz		
Start Up Delay	icy			< 300 ms	< 300 ms		
				5%	5%		
Repeatability Short Circuit Prote	etion						
Short Circuit Prote	CLIOII			Present (self-resetting) Present (self-resetting)			
Electric Protection				Against polarity reversal Against polarity reversal inductive loads 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			17Nm	17Nm			
	Weight - Cable Output				145g		
Weight - Connector Output			95g				

NAMUR M12

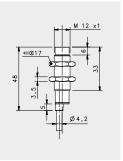








NAMUR



				FLUSH		NON FLUSH	
				M12 conn	cable	M12 conn	cable
NOMINAL SWITCHING DISTANCE				2 mm	2 mm	4mm	4mm
	PNP/NPN	PNP/NPN		Datalogic			
10-30 Vdc	NO-NC	4 wires	order No.				
40.201/1	PNP	.					
10-30 Vdc	NO	3 wires	order No.				
10-30 Vdc	PNP	3 wires					
10-50 Vuc	NC	5 WIIES	order No.				
10-30 Vdc	NPN	3 wires					
10 30 vac	NO	J WIICS	order No.				
10-30 Vdc	NPN	3 wires					
	NC		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.				
			order No.				
20-250 Vac/Vdc	NO	2 wires	order No.				
			order ivo.				
20-250 Vac/Vdc	NC	2 wires	order No.				
			order 140.				
20-250 Vac	NO	2/3 wires	order No.				
	Analog						
10-30 Vdc	0-20 mA	3 wires	order No.				
NAMID amplifies	NAMUR	2 wires		IS-12-A20-S2	IS-12-A20-03	IS-12-C20-S2	IS-12-C20-03
NAMUR amplifier	IVAIVIUR	2 WIIES	order No.	95B064180	95B064160	95B064190	95B064170
Nominal Voltage				7,7 + 9 V DC			
Residual Ripple				< 10%	< 10%	< 10%	< 10%
Hysteresis				< 10%	< 10%	< 10%	< 10%
Max. Output Curre	nt			< 3 mA (metal absent)			
Min. Output Curre				< 1 mA (metal present)			
Residual Current	.110						
Voltage Drop							
Operation Led							
Switching Frequer	ncv			2000 Hz	2000 Hz	2000 Hz	2000 Hz
Start Up Delay	icy						
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 +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	LCP	LCP	LCP
Tightening torque				10Nm	10Nm	10Nm	10Nm
Weight - Cable Output					110 g		110 g
Weight - Connecto	•			60 g		60 g	