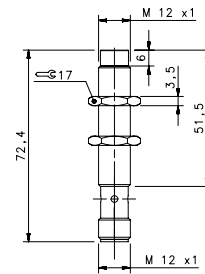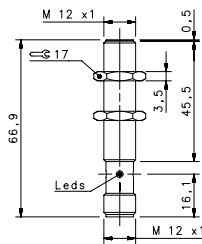# WELD FIELD IMMUNE

WELD FIELD IMMUNE M12
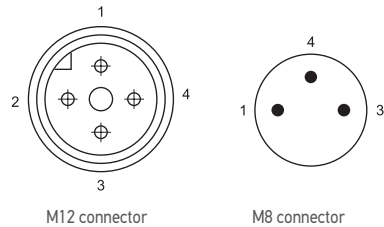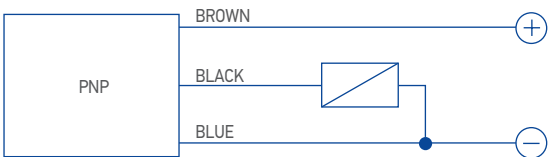
				FIELD IMMUNE STAINLESS STEEL	
				FLUSH	**NON FLUSH**
				M12 conn	M12 conn
NOMINAL SWITCHING DISTANCE				**2 mm**	**4 mm**
10-30 Vdc	PNP/NPN NO-NC	4 wires		---	---
			order No.	---	---
10-30 Vdc	PNP NO	3 wires		IS-F12-S1-S2	IS-F12-T1-S2
			order No.	95B065360	95B065370
10-30 Vdc	PNP NC	3 wires		---	---
			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.	---	---

Nominal Voltage	10-30 Vdc	10-30 Vdc
Residual Ripple	< 10%	< 10%
Hysteresis	< 15%	< 15%
Max. Output Current	200 mA	200 mA
Min. Output Current	< 10mA	< 10mA
Residual Current	< 0,1 mA	< 0,1 mA
Voltage Drop	< 1,5V	< 1,5V
Operation Led	Present	Present
Switching Frequency	2000 Hz	1000 Hz
Start Up Delay	< 0,1 ms	< 0,1 ms
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
Weight – Cable Output	---	---
Weight – Connector Output	25g	23g

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3 WIRES SENSORS

3 Wires Pnp Or Npn, No Or Nc

NPN — BROWN (+), BLACK, BLUE (−)

PNP — BROWN (+), BLACK, BLUE (−)

M12 connector   M8 connector
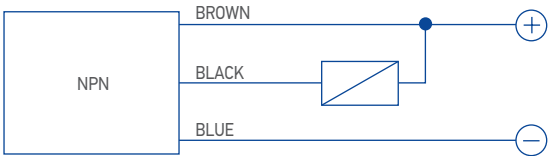
CONTACTS CONFIGURATION				
Available	Contacts numbers			
	1	2	3	4
(NO or NC)	+		–	NO/NC

4 WIRES SENSORS

4 Wires (No+Nc)

NPN NO-NC — BROWN NO NC (+), BLACK, WHITE, BLUE (−)

PNP NO-NC — BROWN (+), WHITE, BLACK, BLUE (−), NO NC
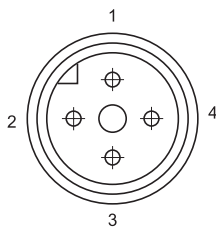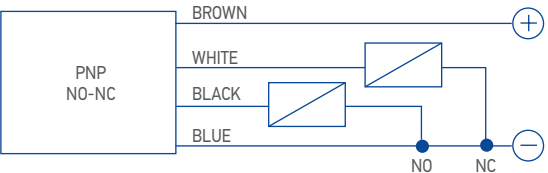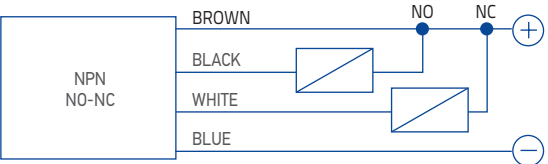
CONTACTS CONFIGURATION				
Output	Contacts numbers			
	1	2	3	4
NO + NC	+	NC	–	NO

4 Wires (Pnp/Npn, No/Nc)

NPN NO — BROWN (+), WHITE, BLACK, BLUE (−)

NPN NC — BLUE (+), WHITE, BLACK, BROWN (−)

PNP NO — BROWN (+), WHITE, BLACK, BLUE (−)

PNP NC — BLUE (+), WHITE, BLACK, BROWN (−)
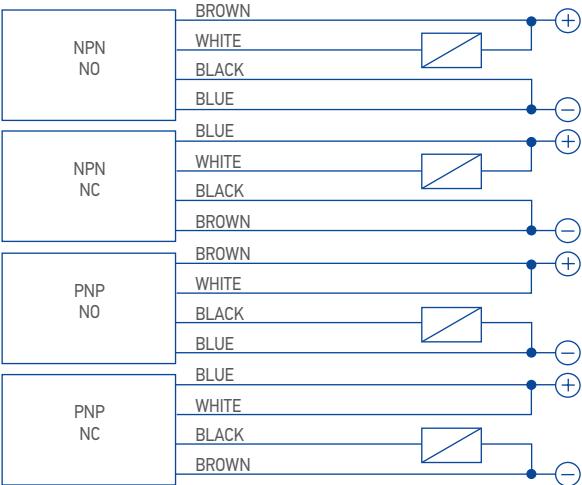
CONTACTS CONFIGURATION				
Output	Contacts numbers			
	1	2	3	4
NPN NO	+	NO	–	–
NPN NC	–	NC	+	–
PNP NO	+	+	–	NO
PNP NC	–	+	+	NC

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