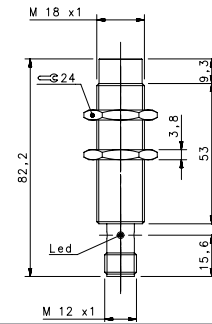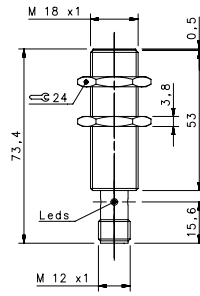# WELD FIELD IMMUNE

WELD FIELD IMMUNE M18


|		FIELD IMMUNE STAINLESS STEEL	
		FLUSH	NON FLUSH
		M12 conn	M12 conn
NOMINAL SWITCHING DISTANCE		**5 mm**	**8 mm**
10-30 Vdc	PNP/NPN NO-NC	---	---
	4 wires — order No.	---	---
10-30 Vdc	PNP NO	IS-F18-S1-S2	IS-F18-T1-S2
	3 wires — order No.	95B065380	95B065390
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	1000 Hz	500 Hz
Start Up Delay	< 0,2 ms	< 0,5 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	30 Nm	30 Nm
Weight – Cable Output	---	---
Weight – Connector Output	94g	91g

3 WIRES SENSORS

3 Wires Pnp Or Npn, No Or Nc

NPN
BROWN (+)
BLACK
BLUE (−)

PNP
BROWN (+)
BLACK
BLUE (−)

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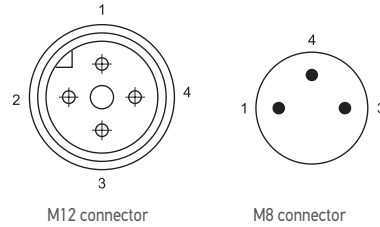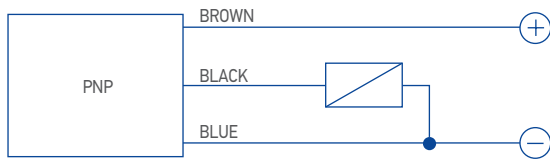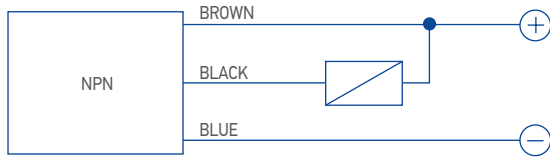
CONTACTS CONFIGURATION				
Available	Contacts numbers			
	1	2	3	4
(NO or NC)	+		−	NO/NC

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
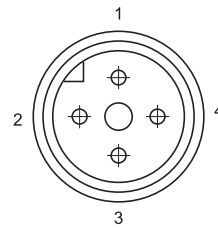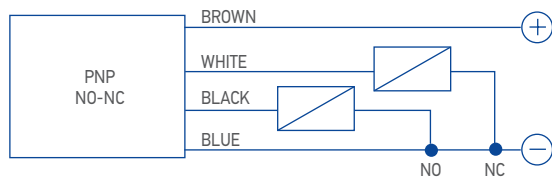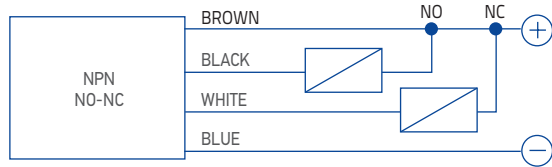
CONTACTS CONFIGURATION				
Output	Contacts numbers			
	1	2	3	4
NO + NC	+	NC	−	NO

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 (−)
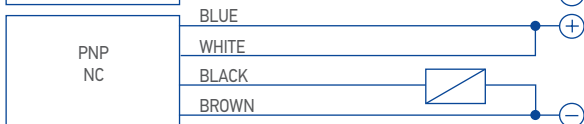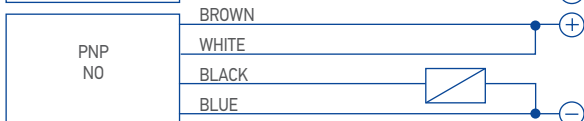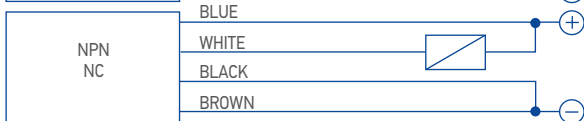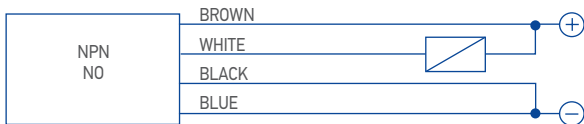
CONTACTS CONFIGURATION				
Output	Contacts numbers			
	1	2	3	4
NPN NO	+	NO	−	−
NPN NC	−	NC	+	−
PNP NO	+	+	−	NO
PNP NC	−	+	+	NC

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