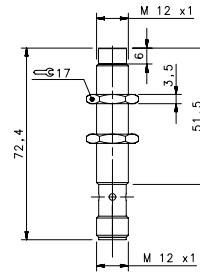
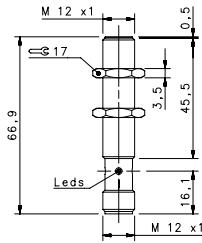


WELD FIELD IMMUNE M12



FIELD IMMUNE STAINLESS STEEL

FLUSH

NON FLUSH

M12 conn

M12 conn

2 mm

4 mm

NOMINAL SWITCHING DISTANCE

10-30 Vdc	PNP/NPN NO-NC	4 wires	order No.	---	---	---
10-30 Vdc	PNP NO	3 wires	order No.	IS-F12-S1-S2 95B065360		IS-F12-T1-S2 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

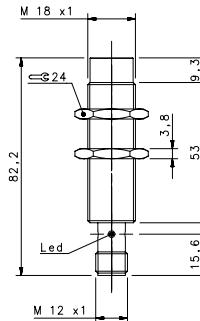
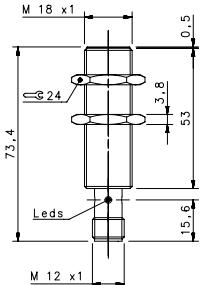
Weight - Cable Output

Weight - Connector Output

25g

23g

WELD FIELD IMMUNE M18



FIELD IMMUNE STAINLESS STEEL

FLUSH	NON FLUSH
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M12 conn	M12 conn
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NOMINAL SWITCHING DISTANCE

5 mm

8 mm

10-30 Vdc	PNP/NPN NO-NC	4 wires	order No.	---	---
10-30 Vdc	PNP NO	3 wires	order No.	IS-F18-S1-S2 95B065380	IS-F18-T1-S2 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

Nickel-plated Brass housing

PA 16 active face

Standard length

Operating distance 2 ... 10 mm

M12, M18, M30

cable or M12 connector

20+250 Vac (50,60 Hz)

2 or 3 wires

NO

IP67 protection

REDUCTION FACTOR

	ALUMINUM (25°C)	STAINLESS STEEL AISI316L	COPPER	BRASS
Average red. Fact.	0,3...0,45	0,6...1	0,25...0,45	0,35...0,5

